NAVSHIPREPFAC YOKOSUKA LOCAL STANDARD ITEM

FY-02

 ITEM NO:
 099-32YO

 DATE:
 01 JUL 2001

 CATEGORY:
 II______

1. SCOPE:

1.1 Title: Cleaning and Painting Requirements; accomplish

2. REFERENCES:

- a. NAVSHIPREPFAC Yokosuka Local Standard Items
- b. S9086-VD-STM-010/020/030/CH-631, Volumes 1, 2 and 3, Preservation of Ships in Service
- c. S9086-VG-STM-000/CH-634, Deck Coverings
- d. ASTM F718, Shipbuilders and Marine Paints and Coatings Product/Procedure Data Sheet
- $\boldsymbol{e}.$ Occupational Safety and Health Administration (OSHA), 29 CFR 1915 Subparts C and Z
- f. Systems and Specifications, Steel Structures Painting Manual Volume 2
- g. ASTM D4417, Standard Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel
- h. S9086-CN-STM-020/CH-79 Volume 2, Damage Control Practical Damage Control
- i. S9086-RK-STM-010/CH-505, Piping Systems

3. REQUIREMENTS:

3.1 Submit one legible copy of a time schedule prior to the start of preservation operations for the following coating systems (including stripe coating where applicable):

TABLE	LINE
One	All
2	All except 10
3	15, 16, 20 and 21
4 through 8	All
9	One through 4
10	4, 11 through 13, 16, and 17
11	All
12	All
15	All
16	All
17	One

3.1.1 Accomplish the requirements of 099-09YO of 2.a for coating systems applications to areas listed in 3.4.

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- 3.2 Provide a written notice to NAVSHIPREPFAC and the ship's Commanding Officer's representative of potential exposure of personnel to toxic or hazardous substances.
- 3.2.1 Post the notice at the ship's Quarterdeck or other designated location for each job or separate area at least four hours, but not more than 24 hours, prior to the start of work. The notice shall contain the following information:
 - 3.2.1.1 Ship's name and hull number.
 - 3.2.1.2 Job Order number.
 - 3.2.1.3 Compartment or frame number.
 - 3.2.1.4 Identification of hazard.
 - 3.2.1.5 Date and time of work process.
- 3.2.1.6 Identification of engineering and work practice controls.
- 3.2.2 Notify the ship's Commanding Officer's representative of work planned over a weekend or Monday following that weekend not later than 0900 on the Friday immediately preceding that weekend.
- 3.2.3 Notify the ship's Commanding Officer's representative of work planned on a U.S. federal holiday and on the day following the federal holiday not later than 0900 on the working day preceding the federal holiday.
- 3.3 Submit material certification of abrasive blast media conforming to MIL-A-22262 prior to blasting. The abrasive blast medium must be listed on the Qualified Products List (QPL) QPL 22262, or have written notification from NAVSEA 03Q that it meets the requirements of MIL-A-22262.
- 3.4 Record and maintain records in accordance with Section 11 of 2.b and Paragraph 634-3.35 of 2.c, containing the required information on preservation of freeboard, and hangar, flight, catapult, and vertical replenishment decks, chain lockers, underwater hull surfaces of the ship, and interior surfaces of intake vent plenums, uptake spaces, tanks, voids, cofferdams, well deck overheads, and bilges, and including the following:
- 3.4.1 Surface preparation method, including name of abrasive and QPL 22262 revision number from which the product was purchased, or copy of NAVSEA 03R42 product approval letter, **and surface profile readings**.
- 3.4.2 Ambient and metal surface temperatures, relative humidity, and dew point at a minimum of four-hour intervals during painting process. Information for environment shall be recorded from conditions on-site, in close proximity to the structure.
- $3.4.3\,$ Name of paint/non-skid, manufacturer, batch number, and date of manufacture and expiration.
- 3.4.4 Material product data sheets ${\it and}$ 2. ${\it d}$ for each proprietary coating used.

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- 3.4.5 Surface conductivity or chloride measurements.
- 3.4.6 Elapsed time between coats.
- 3.4.7 Dry film thickness (DFT) for the total system.
- 3.4.8 Name and type of spray equipment utilized.
- 3.4.9 Record temperature of paint storage 24 hours in advance of using paint. Temperature shall be maintained within the limits specified in 2.b and shall be recorded once per shift during the 24-hour period prior to use.
- 3.4.10 Submit four legible copies of recorded information on QA Checklist Forms of 63101-000, Preservation Process Instruction (PPI) Core (see 4.7) and Figure 634-3-26 of 2.c to NAVSHIPREPFAC upon completion of the Work Item.
- 3.4.11 Submit four legible copies of the manufacturer's warranty documents to NAVSHIPREPFAC when specified in the Job Order.
- 3.5 Consider marine coatings to contain heavy metals (e.g., lead, zinc, copper, tin, cadmium, hexavalent chromium, or chromium), crystalline silica, and/or other toxic or hazardous substances.
- 3.5.1 Submit four legible copies of the laboratory analysis listing results of personnel monitoring to NAVSHIPREPFAC within 10 working days of any such testing.
- 3.5.1.1 Personnel monitoring shall be managed by a qualified person [e.g., Health Supervisor (EISEI-KANRI-SHA), Industrial Doctor (SANGYOU-I), Pubic Health Engineering Supervisor (EISEI-KOUGAKU-EISEI-KANRI-SHA)] or Industrial Hygiene Consultant (ROUDOU-EISEI-KONSARUTANTO), and accomplished by a Work Environmental Investigator (SAGYOU-KANKYOU-SOKUTEI-SHI).
- 3.5.2 Submit four legible copies of a report when no personnel monitoring was conducted, which provides the basis for such a decision not to engage in personnel monitoring, e.g., insufficient time (less than 7 hours) is available to conduct personnel air monitoring.
- (V) or (I)(G) "ENVIRONMENTAL READINGS" (See 4.4 for criteria.)
- 3.6 Ambient and metal surface temperatures, relative humidity, and dew point at a minimum of four-hour intervals during painting process shall be recorded from conditions on-site, in close proximity to the structure being coated.
- 3.6.1 Coatings applied on areas listed in 3.4 shall be applied only when the temperature of the prepared substrate is greater than 50 degrees Fahrenheit and a minimum of five degrees Fahrenheit above the dew point.
- 3.6.1.1 Euronavy ES301 is exempt from dew point requirement of 3.6.1.
- (V) or (I)(G) "CLEANLINESS" (See 4.4 for criteria.)

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- 3.6.2 Accomplish degreasing and cleaning prior to surface preparation to ensure removal of surface contaminants, such as sea salts, grease, oil, and other petroleum products.
- 3.6.3 Accomplish the safety precautions as specified in 2.b, 2.e, and the Job Order during surface preparation and the application or removal of marine coatings.
- 3.6.4 Select the specific requirements of 2.b, 2.c, and 2.f listed in the application of Tables One through 18 of this item for determining the type of surface preparation required and coating system options that are available for use in accomplishing the work specified unless otherwise directed in the Work Item.
- 3.6.5 For non-skid coatings, surface preparation methods outlined in Paragraph 634-3.27 of 2.c must be strictly followed.
- 3.6.6 Limit surfaces being prepared for preservation in size to an area which can be coated prior to the occurrence of flash rusting and/or oxidation. Remove any flash rust prior to painting, except as follows:
- 3.6.6.1 Surfaces cleaned by hydroblasting or waterjetting shall meet the applicable standard for flash rust.
- 3.6.7 Abrasive blast equal to an SSPC-SP-10 of 2.c and prime steel and aluminum plates, shapes, and ferrous piping prior to shipboard installations except in the areas where weld joints remain to be accomplished, or unless specified otherwise in the invoking Work Item.
- 3.6.8 For disturbed and/or partially preserved or inaccessible areas, the minimum surface preparation shall be that shown in the applicable Tables, except that an SSPC-SP-11 is acceptable for areas originally requiring an SSPC-SP-10 or SSPC-SP-12.
- 3.6.8.1 Disturbed areas are defined as any surface that requires cleaning and/or painting due to existing paint finish being damaged in the accomplishment of work specified by the Job Order.
- 3.6.8.2 Deviations to the requirements may be authorized by NAVSHIPREPFAC based on size, locations, application, or severity of condition of coating system being applied.
- 3.6.8.3 Closure plates/hull accesses and their associated welds will not be considered a disturbed surface and shall be cleaned and painted by the applicable table.
 - 3.6.9 Feather edges of well adhered paint remaining after cleaning.
- 3.6.10 Clean prior to painting, insulation and lagging free of foreign matter and contaminants that would prevent adherence of paint.
- 3.6.11 Clean prepared and previously painted surfaces free of foreign matter which will affect adherence of paint coatings. Inclusions such as dust and debris in the paint film shall be removed prior to the application of the next coat.

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- 3.6.12 Remove foreign matter and debris resulting from cleaning operations.
- 3.6.13 Record and restore existing painted labels, compartment designations, hull markings, and other painted information which will be removed or covered during cleaning and painting operations.
- 3.6.14 Install masking material for protection of equipment and items not to be painted during preservation. Shipboard items not to be painted are listed in Paragraph 631-8.22 of 2.b.

(V) or (I)(G) "SURFACE PROFILE" (See 4.4 for criteria.)

- 3.6.16 Following blasting operations, surface peak-to-valley profile must be checked. If profile of two to three mils is not present, profile must be established, based upon five readings per 1,000 square feet. Profile measurements shall be taken in accordance with Method C of 2.g.
- 3.6.16.1 When surface profile requirements of the manufacturer's instructions are greater than that specified in this item, they shall supersede this item.
- (V) or (I)(G) "SURFACE PREPARATION" (See 4.4 for criteria.)
- 3.6.17 Verify surface preparation for the coating systems specified in 3.1.
- (I)(G) "CONDUCTIVITY OR CHLORIDE MEASUREMENT"
- 3.6.18 Accomplish conductivity or chloride measurements for the Tables and Lines listed in 3.1.
- 3.6.18.1 Accomplish surface chloride checks or conductivity checks using available field or laboratory test equipment on the freshly prepared surface. Five determinations shall be conducted every 1,000 square feet. Areas less than 1,000 square feet shall have five determinations made. For immersed applications, such as tanks and bilges, chloride measurements shall not exceed 3 micrograms per square centimeter (30 mg/m²) nor shall the conductivity measurements exceed 30 microsiemens per centimeter. For nonimmersed applications, chloride measurements shall not exceed 5 micrograms per square centimeter (50 mg/m 2) nor shall the conductivity measurements exceed 70 microsiemens per centimeter. If the chloride or conductivity measurements exceed the respective values, water wash the affected areas with fresh water. Dry the affected areas and remove all standing water. Accomplish surface chloride and conductivity checks on the affected areas. Repeat step until satisfactory levels are obtained. Flash rust/surface oxidation is prohibited for tanks, floodable voids, non-skid and well deck overhead applications and must be removed. All other areas shall not exceed light, tightly adherent flash rust as described in NOTE (22).
- 3.7 Store paint in a cool, dry place, do not expose to freezing temperatures or direct sunlight, and in accordance with manufacturer's instructions. Storage of non-skid coatings shall be in accordance with Table 634-3-4 of 2.c.
- 3.8 Coating systems shall be applied in accordance with the applicable tables and 2.b.

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- 3.8.1 For commercial underwater hull coating systems including anticorrosive paints and antifouling paints, the manufacturer's primer must be used with his antifouling coating. No substitution is allowed.
- 3.8.1.1 Successive coats of anticorrosive paints shall be of a contrasting color.
- 3.8.2 Utilize water-based latex fire retardant paints in preference to chlorinated alkyd based fire retardant paints. Such paints are available under MIL-PRF-24596 or a Naval Sea Systems Command (NAVSEA) approved product (Formula 25A). Accomplish the surface preparation and coating application requirements of 2.b when using water-based paints.
- 3.8.3 Apply the first coat of MIL-P-15931 (Formulas 121/129) or MIL-PRF-24647 antifouling paint when the last coat of epoxy paint is still slightly tacky (approximately four to six hours after paint application). Tacky is defined as that curing (drying) stage when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger. If the epoxy is hard (usually eight hours after application), apply a tack coat of epoxy paint one to two mils wet film thickness (WFT) over previously painted surfaces. Allow to dry four hours and apply the antifouling paint. Above also applies to application of any non-epoxy system over an epoxy coating.
- 3.8.4 Mix and apply the approved proprietary coatings in accordance with manufacturer's instructions, except for requirements when invoked for surface preparation and minimum DFT as specified in Tables One, 4, 5, 6, 7, and 15. The requirements of 3.8.3 also apply to manufacturers' proprietary coatings.
- 3.8.5 Mix and apply the Navy Polyamide Epoxy MIL-DTL-24441 coatings in accordance with the following, except the DFT shall be as specified in Tables One through 11, 14 and 15. The MIL-DTL-24441 coatings mixing ratio is one-to-one by volume. The components of the various formulas are not interchangeable. Blend each component thoroughly prior to mixing the components. After mixing equal volumes of the two components, the mixture must be thoroughly stirred, and the stand-in times listed below must be observed.
- 3.8.5.1 Stand-in time (induction time) is defined as the time immediately following the mixing of the components A and B during which the critical reaction period of these components is initiated and is essential to the complete curing of the coating. During stand-in time the mixture must be thoroughly stirred at least once every 20 minutes to avoid hot spots caused by localized overheating from the chemical reaction.

SURFACE TEMPERATURE AT JOB SITE	
(DEGREES FAHRENHEIT)	STAND-IN TIME IN HOUR
35 to 60	Two hours at 70 degrees Fahrenheit
	(paint temperature)
50 to 60	Two hours at job site temperature
60 to 70	One hour to 1-1/2 hours at job site
	temperature
70 and above	1/2 to One hour at job site
	temperature

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(V) or (I)(G) "STRIPE COAT INSPECTION" (See 4.4 for criteria.)

- 3.8.6 Apply stripe coat to weld seams, cutouts, corners, edges, and butts in tanks, bilges, and well deck overheads in accordance with the coating manufacturer's instructions. Stripe coat the edges, weld seams, foot/hand holds (including inaccessible areas, such as back side of piping, under side of I-beams), and other mounting hardware (non-flat surface) after the prime coat has dried. The stripe coat shall encompass all edges, as well as at least one-inch border outside each edge. Stripe coating applied shall be neat in appearance, minimizing extra thickness applied to edges, as well as streaks and drops of paint. Stripe coating should be done whenever represerving. The stripe coat shall encompass all edges as well as at least a one-inch border outside each edge and weld.
- 3.8.6.1 Apply one stripe coat after the primer (or mist coat after inorganic zinc) for MIL-PRF-23236 coatings.
- 3.8.6.2 Apply one stripe coat after the primer for MIL-DTL-24441 coat system and another stripe coat after the intermediate coat, but prior to final coat. For a two-coat system, only one stripe coat is required.
- 3.8.6.3 Each stripe coat shall be unthinned paint of the specified paint system and shall be a different color from both the paint over which it is being applied and the next coat in the system. First coat inspection shall be accomplished prior to stripe coat application.
- 3.8.7 Drying time between coats of specified coating for potable and feedwater tanks shall be a minimum of 48 hours at a minimum temperature of 70 degrees Fahrenheit, using heated air if necessary to maintain temperature. Ventilation shall be sufficient to ensure continuous flow of air through the tanks with at least one complete air change every four hours. Mixing and stand-in times (induction times) shall be in accordance with manufacturer's instructions.
- 3.8.8 Cure potable and feedwater tank coatings for at least seven consecutive days prior to filling with water. Maintain a temperature of 70 degrees Fahrenheit within the tanks. Ventilation shall ensure continuous flow of air with a minimum of one complete air change every four hours.
- 3.8.8.1 Freshly painted potable water tanks shall be rinsed at least twice with fresh water to ensure cleanliness of tank.

(I)(G) "INSPECT TANK"

- 3.8.8.2 Inspect tank for cleanliness and coating integrity.
- 3.9 Overcoating of MIL-DTL-24441 with MIL-DTL-24441.
- 3.9.1 If less than seven days has elapsed since the application of the prior coat, the next coat may be applied after visual inspection to confirm the absence of grease, dirt, salts, or other surface contaminants. If surface contamination is suspected as a result of visual inspection or for other reasons, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. The next coat of MIL-DTL-24441 shall be applied after surfaces are completely dried.

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- 3.9.2 If more than seven days but less than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash followed by a fresh water rinse. Ensure the surface has fully dried, then apply a tack coat (one to 2 mils WFT) of the last coat applied or Formula 150. The tack coat shall be allowed to cure (dry) to when a fingernail pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the system.
- 3.9.3 If grater than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding, then apply the next full coat of the system.
- 3.10 Overcoating of MIL-DTL-24441 with non-MIL-DTL-24441 (proprietary) topcoats:
- 3.10.1 The non-MIL-DTL-24441 topcoat shall be applied before the MIL-DTL-24441 base coat has hardened (while still tacky as defined in 3.8.3).
- 3.10.1.1 If the MIL-DTL-24441 base coat has hardened but less than 30 days has elapsed, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. Ensure the surface has fully dried, then apply a tack coat (one to 2 mils WFT) of the last coat applied or Formula 150. The tack coat shall be allowed to cure (dry) to when a fingernail pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the non-MIL-DTL-24441 system.
- 3.10.1.2 If greater than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding, then apply a full coat of MIL-DTL-24441. Let this coat dry to a tacky state as defined in 3.8.3, then apply the next full coat of the non-MIL-DTL-24441 system.
 - 3.11 Overcoating of non-MIL-DTL-24441 (proprietary) epoxy coatings:
- 3.11.1 Follow the manufacturer's direction for the allowable overcoat window, not to exceed 30 days. The 30-day maximum may be extended beyond 30 days if specifically approved in writing by NAVSEA. Where the basecoat and topcoat are provided from different manufacturers, the term "manufacturer" refers to the manufacturer of the basecoat.
- 3.11.1.1 If either the manufacturer's recommendation or the 30-day window (or a specific extension approved by NAVSEA) has been exceeded, the coating shall be reactivated by either following the manufacturer's recommendation for re-activating the surface or cleaning the entire surface using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding.

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- 3.11.1.2 Apply the next full coat of the proprietary system, if used. If MIL-DTL-24441 is being used for the topcoat, apply one full coat of MIL-DTL-24441 Formula 150, let dry to a tacky state as defined in 3.8.3, then apply one full coat of MIL-DTL-24441 of the desired color.
- 3.11.2 Comply with the time requirements of 2.d for application of non-skid over primer coat.
- (V) or (I)(G) "FILM THICKNESS" (See 4.4 for criteria.)
- 3.12 Measure DFT of each coat applied for the coating systems listed in 3.4.
- 3.12.1 DFT readings shall not be measured in areas where stripe coatings have been applied.
- 3.12.2 DFT for each coat shall be measured in accordance with Method PA-2 of 2.**f**.
- 3.12.3 WFT readings are required in lieu of dry when the system requires application of a tack coat. Refer to film thickness conversion table in 2.f. See 4.8 for calculation of a film thickness.
- 3.12.4 For underwater hull paint systems, record a minimum of 30 DFT readings per 1,000 square feet. Baseline DFT readings of underwater hull paint system shall be measured after final coat is applied and Quality Assurance spot readings in accordance with 2.f are completed.
- 3.12.5 Apply an additional coat of any single coat of a multiple coat system when that coat measures less than its specified DFT. Multiple coats shall be of contrasting color. DFT of each coat, including an additional coat if applied, shall not exceed the specified maximum thickness for each coat.
- (V)(G) "HOLIDAY INSPECTION" (See 4.4 for criteria.)
- 3.13 Accomplish a holiday inspection using a low voltage holiday detector after the prime coat, and accomplish a visual holiday inspection on the final coating system. Any holiday found shall be marked and touched up in accordance with 3.4.
- 3.13.1 Remove masking material and paint overspray after cleaning and painting operations are completed.
- 3.14 Preservation Process Instructions (PPIs), when invoked, provide detailed instructions and procedures for specific ship preservation evolutions to include safety precautions, surface preparation, selection of appropriate coating systems, and third-party quality assurance check points. See Section 12 of 2.b for details. (Section 12 is provided in Advance Change Notice [ACN] 5A, Control Number N00024-00-FJB25.)

4. NOTES:

- 4.1 Thicknesses specified in Tables One through 18 are DFT and are minimum requirements, unless otherwise specified.
- 4.2 Total DFT encountered during removal may exceed specified table thicknesses.

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- 4.3 Total removal of ablative coating is not required in accordance with 631-5.2.3.3 of 2.b. The invoking Work Item will specify the degree of removal.
- 4.4 The paragraphs referencing this note are considered an (I)(G) if the inspection/test is on a critical surfaces as listed in 3.4. If the inspection/test is not on a critical surface as listed in 3.4, then the paragraph is considered a (V).
- 4.5 The word ?new? in ?new and disturbed surfaces? refers to all material installed on the ship by the contractor regardless of source.
- 4.6 Structural requirements of Notes (23) and (24) will be addressed by the invoking Work Item.
- 4.7 QA Checklist Forms referred to in 3.4.10 will be available at NAVSHIPREPFAC Design Division, Technical Support Branch Code 244.
- 4.8 WFT equals DFT divided by percent solids by volume (when percent solids by volume is expressed as a decimal, i.e., 60 percent equals 0.60).

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NOTES OF TABLES ONE THROUGH 18

- (1) The following items apply to MIL-DTL-24441 coatings:
 - a. MIL-DTL-24441 polyamide epoxy paints do not require thinning prior to application. If desired, the low temperature application properties can be improved by the addition of 10 percent by volume of one-to-one mixture of butyl alcohol and high flash naphtha or paint thinner TT-P-291. When sprayed without thinning at the recommended thickness, the paints have no tendency to sag. Apply a thinned mist coat of one to 2 mils wet film thickness over existing paint.
 - b. When MIL-DTL-24441 polyamide epoxy paints are used at a work site having temperatures below 50 degrees Fahrenheit, it is essential that the stand-in period be accomplished in a warm area (70 degrees Fahrenheit) to ensure that the coating will cure.
 - c. Exterior side shell and underwater body painting at surface temperatures between 25 degrees Fahrenheit and 35 degrees Fahrenheit is not recommended, but can be approved by NAVSHIPREPFAC provided the following conditions are met:
 - (1) Ambient temperature must be a minimum of five degrees Fahrenheit above the dew point.
 - (2) Hull surfaces must be absolutely dry and free of any signs of frost and ice.
 - (3) Drying time will be increased by four hours for a total of eight hours drying time per coat.
 - (4) No painting is allowed below surface temperature of 25 degrees Fahrenheit.
 - (5) Paint shall be stored at 70 degrees Fahrenheit for 24 hours before use.
 - d. Painting shall not be accomplished unless surface is dry and surface temperature is at least five degrees Fahrenheit above the dew point.
 - e. Approximate temperature of paint components in storage should be estimated in order to judge the amount of stand-in time to allow and the pot life that might be expected. The work site application temperature will greatly affect the time required for the paint to cure, and must be considered in estimating batch size, stand-in time, and cure time.
 - f. Paints should be sprayed using standard spray guns with applicable spray-pot pressures. The spray guns should be equipped with a middle-size (D) needle, nipple, and nozzle set-up. Both conventional and airless equipment are suitable for use with these paints.
 - g. Catalyzed paints should not be allowed to stand in the spray equipment for extended periods, especially in the sun (increasing temperature cures the paint more rapidly). The pot life of the paint mixture (components A and B) is six hours at 73 degrees Fahrenheit.

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- h. Epoxy primers applied in the vicinity of abrasive blasting must be sheltered from airborne contaminants. Abrasive particles trapped in wet paint films are a source of premature blistering and film failure.
- (2) Boottop The boottopping is defined as the black area from minimum load waterline at which the ship is expected to operate to 12 inches above the maximum load waterline. The black paint is an antifouling paint conforming to MIL-PRF-24647 for a five to 10-year service life, or MIL-P-15931 for two-year service life. Haze gray shall be carried to the black antifouling paint which marks the upper boottop paint.
- (3) Ameron **Amecoat** 235 can be used for cold weather application below 40 degrees Fahrenheit. Apply at five mils DFT (minimum) per coat.
- (4) Use International FCA 321 in lieu of FPA 327, or KHA414 in lieu of KHA062, for cold weather application below 50 degrees Fahrenheit.
- (5) Use Hempadur 4514 in lieu of 4515 for cold weather applications below 50 degrees Fahrenheit.
- (6) A minimum of 24 hours drying time shall be allowed after last coat prior to undocking.
- (7) To ensure a continuous primer base, areas adjacent to those being coated with proprietary primer and non-skid listed on QPL's for MIL-PRF-24667 shall be coated with the same primer and compatible topcoat.
- (8) Intentionally left blank.
- (9) DOD-E-24607, chlorinated alkyd, may also be used. DOD-E-24607 must be used if surface and ambient temperature are less than 50 degrees Fahrenheit.
- (10) For MIL-PRF-23236, Types I, III, or IV shall be used in fuel/salt water ballast service. Qualified paint systems additionally designated Class One may be used with the qualified shop primer this is generally a new construction issue. Qualified paint systems designated Class 2 are only for salt water ballast tanks no exposure to fuels or other hydrocarbons is permitted.
- (11) Coating to be applied in accordance with data sheet. The maximum coating thickness will be the minimum plus 150 percent of minimum, i.e., for eight mils this will be eight plus 12 (for maximum allowable of 20 mils).
- (12) These systems may also be invoked for preservation of decks in spaces that are prone to wear and do not receive deck covering.
- (13) Anchors below lower boottopping limit shall be painted in accordance with normal underwater hull anticorrosion/antifouling system.
- (14) For MCM, and MHC ships, use black walnut shells conforming to A-A-1722, Type II, or garnet MIL-A-21380 or garnet MIL-A-22262, for abrasive blast media.

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- (15) Anchor chain and detachable links shall be marked and color coated in accordance with NSTM Chapter 581 unless otherwise directed by the invoking Work Item.
- (16) Apply one mist coat (one-two mils) of Ameron PSX 700 after blast and prior to remaining coats where invoking Work Item requires anchor chain inspections prior to preservation.
- (17) Colors shown in **Tables 631-8-13 and 631-8-14 of 2.b**, shall be specified by TYCOM or ship's Commanding Officer per **Paragraph** 631-8.23.4 **of 2.b**.
- (18) Restore each compartment marking in accordance with 2.h and 2.i.
- (19) MIL-PRF-24667 non-skid systems shall be applied as complete systems (primer, intermediate coat when MIL-PRF-24667 Type III coatings are invoked, non-skid, and color topping) from the same manufacturer except for the color topping. When a manufacturer does not have approved color topping, use another compatible manufacturer color topping. MIL-PRF-24667, Type I, when required, shall be specified in the invoking Work Item. Boundaries of areas receiving non-skid not specific ship's drawings shall be in accordance with 2.c.
- (20) Prior to accomplishing painting of wooden underwater hulls, allow the hull to dry to a moisture content of 15 percent. Readings shall be taken with an electronic moisture meter, Sovereigh Moisture Master or equal. Cover grounding plates and zincs prior to painting.
- (21) Blasted surface metal must be decreased following walnut shell blasting. Even traces of residual oil will degrade coating adhesion. Optimum method is to wipe down the blasted surface with a 1:1 solvent mixture by volume of methyl ethyl ketone and mineral spirits. Appropriate safety precautions for working with flammable solvents must be enforced. Alternate procedure is a vigorous soap and water wash followed by pressurized fresh water rinse. Do not use a detergent and fresh water washdown when using aluminum oxide as an abrasive blast medium.
- (22) Blasted surface must be cleaned to near white surface finish, SSPC-SP-10, International Courtaulds Marine Paint Company Hydroblasting Standard HB2-1/2L, or NACE 5/SSPC-SP-12 condition WJ-2L.
- (23) For non-edge retentive coatings, radiusing of edges is recommended to ensure maximum service life. If edges are not radiused, the service life could be substantially reduced.
- (24) Deburring and grinding of weld spatter is recommended to ensure maximum service life. If weld spatter is not removed, the service life of the coating could be substantially reduced.
- (25) Power impact tool cleaning using power-driven needle guns, chipping or scaling hammers, rotary scalers, single or multiple-piston scalers, or other similar impact cleaning tools shall not be utilized in the cleaning methods.
- (26) For Tables 4 **through** 6 maintain the relative humidity in the tank or void space at a maximum of 50 percent from the start of abrasive blasting to cure of the topcoat.

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1

- (27) Finish coats for boats and craft shall be as specified in Paragraph 631-9.3.4 through 631-9.3.5 of 2.b unless otherwise specified in the invoking Work Item.
- (28) Thermal insulation shall be soap and water cleaned and hand sanded.
- (29) Three coats of MIL-DTL-24441, Type III, at 3-4 mils per coat can be substituted for two coats of MIL-DTL-24441, Type IV, at 4-6 mils per coat, for total system DFT of 8-12 mils.
- (30) Grit blasting to near white metal is the preferred method of surface preparation. Only where grit blasting is not possible should power tool cleaning be used. Power tool cleaning should not be used for well deck areas frequently exposed to Landing Craft Air Cushion (LCAC) exhaust.
- (31) A low pressure (3,000 to 5,000 psi) fresh water washdown of the well deck area shall be performed before either grit blasting or power tool cleaning to remove dirt, oil, grease, salts, and loosely adherent coatings.
- (32) Upon completion of surface preparation, pH measurements must be accomplished. The pH must be in the range of 6.5 to 7.5. If it is not, the surface must be washed with fresh water until the required pH is obtained.
- (33) Runs, sags, drips may appear in the coating due to its solvent-free nature and application properties. In the normal application of this product, the appearance of runs, sags, and drips is only superficial and is not detrimental to the coating system. In these cases, no action shall be taken. In cases where the conditions are determined to be detrimental (coating in excess of 50 mils DFT) to the effectiveness of the coating system, immediate action shall be taken. If the wet run, sag, or drip occurs on a dry surface, brush out the run, sag, or drip and reapply the prime coat directly over the brushed out area. It the run, sag, or drip has dried, then the affected area shall be scraped or mechanically removed and the prime coat shall be reapplied.
- (34) These systems may also be invoked for preservation of well deck bulkheads and decks.
- (35) Fill bearing void with Termalene 2 or equal in accordance with CID A-A-50433 after each bearing void installation. Bearing void painting is to be accomplished only when the shaft is removed.
- (36) Install vermiculite based anti-sweat treatment in accordance with Paragraph 631-7.8.3 and 631-7.8.4 of 2.b.
- (37) Total DFT specified in Table 4 for potable water tanks shall not be exceeded except in isolated areas adjacent to shapes and stiffeners. In no case shall the maximum DFT be exceeded by two mils. The isolated areas shall be less than two percent of the total area.
 - a. For touch-up or overcoating intact aged paint in good condition, the same requirements for each coat apply, and the total film thickness maximum requirement may be corrected to allow for thickness of underlying aged paint. Requirement is to avoid excess thickness in individual coats. High DFT resulting from the application of extra

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- (38) Formula 124, DOD-E-24607 tinted with MIL-C-22325 may be used when none of the approved colors are available. However, this should be a last resort.
- (39) Apply heat-resisting paint (TT-P-28) to surfaces, whether insulated or not, where operating temperature is over 400 degrees Fahrenheit. Heat-resisting paint should also be applied to normally uninsulated hot metal surfaces such as boiler drum gages and pressure gage piping. Heat-resisting paint is highly flammable during application and should not be applied where surface operating temperatures exceed 85 degrees Fahrenheit. Proper application is two thin coats on well-prepared, dry metal surfaces.
- (40) Avoid excessive power wire brushing that results in a polished surface.
- (41) Apply three coats of a vapor barrier coating compound, MIL-PRF-19565, in contrasting colors (white-orange-white), to insulation within laundries, sculleries, galleys, drying rooms, and to insulation on the warm side of refrigerated stores spaces.

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		A	В	С	D	E	F	G
STEEL		G110 113 G1						
SURFACES	TTNE	SURFACE	DDIMED			KEEL TO BOTTOM	DOORROD	DDAEM MADKO
TABLE 1	LINE	PREPARATION	PRIMER	0377 00377 7 154		OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	1	NEAR WHITE METAL	ONE COAT F-150	ONE COAT F-154		2 COATS F-121A	2 COATS F-129A	ONE COAT
UNDERWATER		BLAST CLEAN	MIL-DTL-24441	MIL-DTL-24441		MIL-P-15931,	MIL-P-15931,	MIL-PRF-24635
HULL (KEEL		SSPC-SP-10	TYPE-IV,	TYPE-IV,		2 MILS/COAT	2 MILS/COAT	LT GRAY
TO BOOTTOP,		OR	4-6 MILS	4-6 MILS		4 MILS MIN TOTAL	4 MILS MIN TOTAL	NO. 26373
INCLUDING		FOR HYDROBLASTED				MIN DOWING TIME	MIN DOWING BIME	(FED-STD-595)
PROPULSION		SURFACES USE				MIN DRYING TIME	MIN DRYING TIME	TO BOOTTOPPING
SHAFT		INTERNATIONAL				OF 24 HRS SHALL	OF 24 HRS SHALL	AND BELLOW,
OUTBOARD BEARING		COURTAULDS MARINE PAINT				BE ALLOWED BETWEEN LAST	BE ALLOWED BETWEEN LAST	3 MILS
VOIDS)		COMPANY				COAT AND	COAT AND	ONE COAT
VOIDS)		HYDROBLASTING				UNDOCKING OF	UNDOCKING OF	MIL-PRF-24635
SEE NOTE		STANDARD				SHIP	SHIP	OCEAN GRAY
(35)		HB2-1/2L, OR				SIIII	SIIII	NO. 26173
(33)		NACE 5/SSPC-SP-						(FED-STD-595)
SERVICE		12 CONDITION						ABOVE
LIFE FOR 2		WJ-2L	SEE NOTES	SEE NOTES				BOOTTOPPING,
YEARS OR		""	(1)&(29)	(1)&(29)		SEE NOTE (27)	SEE NOTE (2)	3 MILS
LESS	2	SAME AS LINE ONE	ONE COAT	ONE COAT		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
			AMER-COAT 385,	AMER-COAT 385,				
			4-6 MILS	4-6 MILS				
	3	SAME AS LINE ONE	ONE COAT	ONE COAT		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
			INTERNATIONAL	INTERNATIONAL				
			FPL 274/FPA 327,	FPJ 034/FPA 327,				
			RED, 5 MILS	GRAY, 5 MILS				
			OR	OR				
			KHA303/KHA062,	KHA302/KHA062,				
			5 MILS	5 MILS				
			CDD NOME (4)	ODD NOBE (4)				
	4	CAME AC LINE ONE	SEE NOTE (4)	SEE NOTE (4)		CAME AC LINE ONE	CAME AC LINE ONE	CAME AC LINE ONE
	4	SAME AS LINE ONE	ONE COAT	ONE COAT		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
			JOTUN 65-R-10, 4-6 MILS	JOTUN 65-F-15,				
	5	SAME AS LINE ONE	ONE COAT AMERON	4-6 MILS ONE COAT AMERON		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	5	DAME AS LINE ONE	AMERCOAT 235,	AMERCOAT 235,		DAME AS LINE ONE	DAME AS LINE ONE	SAME AS LINE ONE
			RED, 5 MILS	GRAY, 5 MILS				
			KED, J MILES	OTCHI, J MILLO				
			SEE NOTE (3)	SEE NOTE (3)				
L	1	I	1.012 (0)			I	l .	1

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STEEL		А	В	C	D	E	F	G
SURFACES								
TABLE 1		SURFACE				KEEL TO BOTTOM		
(CONTINUED)	LINE	PREPARATION	PRIMER			OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	6	SAME AS LINE ONE	ONE COAT	ONE COAT		ONE COAT BRA 642	2 COATS BRA 642	SAME AS LINE ONE
UNDERWATER			INTERNATIONAL	INTERNATIONAL		BLACK,	BLACK,	
HULL (KEEL			FPL 274/FPA 327,	FPJ 034/FPA 327,		ONE COAT 640 RED	MIL-PRF-24647,	
TO BOOTTOP,			RED, 5 MILS	GRAY, 5 MILS		MIL-PRF-24647,	5 MILS/COAT	
INCLUDING			OR	OR		5 MILS/COAT		
PROPULSION			KHA303/KHA062,	KHA302/KHA062,				
SHAFT			5 MILS	5 MILS				
OUTBOARD								
BEARING VOIDS)								
VOIDS)								
5 YEARS								
SERVICE								
LIFE								
						SEE NOTES		
			SEE NOTE (4)	SEE NOTE (4)		(2)&(6)	SEE NOTE (6)	
	7	SAME AS LINE ONE	ONE COAT AMERON	ONE COAT AMERON		ONE COAT ABC 3	2 COAT ABC 3	SAME AS LINE ONE
			AMERCOAT 235,	AMERCOAT 235,		BLACK,	BLACK,	
			RED, 5 MILS	GRAY, 5 MILS		ONE COAT ABC 3	MIL-PRF-24647,	
			OR	OR		RED,	5 MILS/COAT	
			DEVRAN 230,	DEVRAN 230,		MIL-PRF-24647,		
			5 MILS	5 MILS		5 MILS/COAT		
						SEE NOTES		
			SEE NOTE (3)	SEE NOTE (3)		(2)&(6)	SEE NOTE (6)	
	8	SAME AS LINE ONE	ONE COAT	ONE COAT		ONE COAT OLYMPIC	2 COATS OLYMPIC	SAME AS LINE ONE
	J	STATE AND LITTLE ONE	HEMPADUR	HEMPADUR		7660-1999AF	7660-1999AF	STAIL AS LINE OILE
			4515-5063AC,	4515-1148AC,		BLACK,	BLACK,	
			RED,	GRAY,		MIL-PRF-24647	MIL-PRF-24647,	
			5 MILS	5 MILS		AND	5 MILS/COAT	
						ONE COAT OLYMPIC		
						7660-5111AF, RED		
						MIL-PRF-24647		
						5 MILS/COAT		
						SEE NOTES		
			SEE NOTE (5)	SEE NOTE (5)		(2)&(6)	SEE NOTE (6)	

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STEEL	T	А	В	С	D	E	F	G
SURFACES								
TABLE 1		SURFACE				KEEL TO BOTTOM		
(CONTINUED)	LINE	PREPARATION	PRIMER			OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	9	SAME AS LINE ONE	SAME AS LINE 6	SAME AS LINE 6		ONE COAT BRA 642	2 COATS BRA 642	SAME AS LINE ONE
UNDERWATER						BLACK,	BLACK,	
HULL (KEEL						ONE COAT 640 RED	MIL-PRF-24647,	
TO BOOTTOP,						MIL-PRF-24647,	6 MILS/COAT	
INCLUDING PROPULSION						6 MILS/COAT		
SHAFT								
OUTBOARD						SEE NOTES		
BEARING						(2)&(6)	SEE NOTE (6)	
VOIDS)	10	SAME AS LINE ONE	SAME AS LINE 7	SAME AS LINE 7		ONE COAT ABC 3	2 COATS ABC 3	SAME AS LINE ONE
						BLACK,	BLACK,	
7 YEARS						ONE COAT ABC 3	MIL-PRF-24647,	
SERVICE						RED,	6 MILS/COAT	
LIFE						MIL-PRF-24647, 6 MILS/COAT		
						6 MILS/COAI		
						SEE NOTES		
						(2)&(6)	SEE NOTE (6)	
	11	SAME AS LINE ONE	SAME AS LINE 8	SAME AS LINE 8		ONE COAT OLYMPIC	2 COATS OLYMPIC	SAME AS LINE ONE
						7660-1999AF	7660-1999AF	
						BLACK,	BLACK,	
						MIL-PRF-24647	MIL-PRF-24647,	
						AND ONE COAT OLYMPIC	6 MILS/COAT	
						7660-5111AF, RED		
						MIL-PRF-24647		
						6 MILS/COAT		
						SEE NOTES		
	- 10					(2)&(6)	SEE NOTE (6)	
UNDERWATER	12	SAME AS LINE ONE	SAME AS LINE 6	SAME AS LINE 6		ONE COAT BRA 640	3 COATS BRA 642	SAME AS LINE ONE
HULL (KEEL TO BOOTTOP,						RED, ONE COAT BRA 642	BLACK, MIL-PRF-24647,	
INCLUDING						BLACK,	5 MILS/COAT	
PROPULSION						ONE COAT 640 RED	5 MILD/COAT	
SHAFT						MIL-PRF-24647,		
OUTBOARD						6 MILS/COAT		
BEARING								
VOIDS)								
10 TO 12								
YEARS								
SERVICE						SEE NOTES		
LIFE						(2)&(6)	SEE NOTE (6)	
		I .	I .	I	l .	(=, = (=)		<u> </u>

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STEEL		A	В	C	D	E	F	G
SURFACES		A	ь		D	E	F	G
TABLE 1		SURFACE				KEEL TO BOTTOM		
(CONTINUED)	LINE	PREPARATION	PRIMER			OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	13	SAME AS LINE ONE	SAME AS LINE 7	SAME AS LINE 7		ONE COAT ABC 3	3 COATS ABC 3	SAME AS LINE ONE
UNDERWATER						RED,	BLACK,	
HULL (KEEL						ONE COAT ABC 3	MIL-PRF-24647,	
TO BOOTTOP,						BLACK,	5 MILS/COAT	
INCLUDING PROPULSION						ONE COAT ABC 3		
SHAFT						MIL-PRF-24647,		
OUTBOARD						5 MILS/COAT		
BEARING								
VOIDS)						SEE NOTES		
						(2)&(6)	SEE NOTE (6)	
10 TO 12	14	SAME AS LINE ONE	SAME AS LINE 8	SAME AS LINE 8		ONE COAT OLYMPIC	3 COATS OLYMPIC	SAME AS LINE ONE
YEARS SERVICE						7660-5111AF RED, MIL-PRF-24647	7660-1999AF BLACK,	
LIFE						AND	MIL-PRF-24647,	
11111						ONE COAT OLYMPIC	6 MILS/COAT	
						7660-1999AF		
						BLACK,		
						MIL-PRF-24647		
						AND		
						ONE COAT OLYMPIC 7660-5111AF RED,		
						MIL-PRF-24647,		
						5 MILS/COAT		
						SEE NOTES		
	1.5	C11/E 10 1 11E 01E	C11/E 1C 1 T1E 01E	G21/F 2.G 7.77F 03F	4 003 mg 214 00	(2)&(6)	SEE NOTE (6)	
UNDERWATER HULL	15	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	4 COATS 3M CO. NO. EC-2216,	ANTIFOULING PAINT SAME AS		
(STRUTS,					ONE COAT	SURROUNDING HULL		
RUDDERS,					6 MILS WFT	Dorato on Danie Inolia		
AND OTHER					(4.2 MILS DFT),			
CAVITATION					3 COATS			
PRONE					8 MILS WFT/COAT			
AREAS)					(5.6 MILS			
	16	SAME AS LINE ONE	ONE COAT AMERON	ONE COAT AMERON	DFT/COAT) SAME AS LINE 15	SAME AS LINE 7		
	1	STATE ONE	AMERCOAT 235,	AMERCOAT 235,	STATE OF LITTER IS	CTALLE TAG LITTE /		
			3-4 MILS	5 MILS				
			OR	OR				
			DEVRAN 230,	DEVRAN 230,				
			3-4 MILS	5 MILS				
			SEE NOTE (3)	SEE NOTE (3)				

STEEL		A	В	C	D	E	F	G
SURFACES								
TABLE 1		SURFACE				KEEL TO BOTTOM		
(CONTINUED)	LINE	PREPARATION	PRIMER			OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	17	SAME AS LINE ONE	ONE COAT	ONE COAT	SAME AS LINE 15	SAME AS LINE 6		
UNDERWATER			INTERNATIONAL	INTERNATIONAL				
HULL			FPL 274/FPA 327,	FPJ 034/FPA 327				
(STRUTS,			5 MILS	5 MILS				
RUDDERS,			OR	OR				
AND OTHER			KHA303/KHA062,	KHA302/KHA062,				
CAVITATION			3-4 MILS	5 MILS				
PRONE								
AREAS)			SEE NOTE (4)	SEE NOTE (4)				
	18	SAME AS LINE ONE	ONE COAT	SAME AS LINE 8	SAME AS LINE 15	SAME AS LINE 8		
			HEMPADUR					
			4515-5063AC					
			RED, 3-4 MILS					
			SEE NOTE (5)					

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<u> </u>	INE 1	A SURFACE PREPARATION	В	C	D	E HORIZONTAL	F	G
TABLE 2 LI LOCATION: EXTERIOR						HUKIZUNIAL		
LOCATION: 1						SURFACES DECKS	MASTS AND STACKS	VERTICAL
EXTERIOR	1	PREPARATION	PRIMER			AND FITTINGS	EXPOSED TO GASES	SURFACES
ABOVE BOOTTOP WITH EXCEPTION OF FLIGHT DECK AND VERTICAL REPLENISH- MENT, WALK AREAS, AND WELL DECK OVERHEAD AREAS SEE NOTE (2)		NEAR WHITE METAL BLAST CLEAN SSPC-SP-10 OR FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP- 12 CONDITION WJ-2L	PRIMER ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS OR ONE COAT MIL-PRF-24647 ANTICORROSIVE, 5 MILS	ONE COAT F-154 MIL-DTL-24441 TYPE-IV, 4-6 MILS OR ONE COAT MIL-PRF-24647 ANTICORROSIVE, 5 MILS				
			SEE NOTES (1)&(29)	(1)&(29)				GRAY NO. 26173 (FED-STD-595)

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STEEL		A	В	С	D	म	F	G
SURFACES		**	-		_	HORIZONTAL	-	
TABLE 2		SURFACE				SURFACES DECKS	MASTS AND STACKS	VERTICAL
(CONTINUED)	LINE	PREPARATION	PRIMER			AND FITTINGS	EXPOSED TO GASES	SURFACES
LOCATION:	2	NEAR WHITE METAL	ONE COAT	ONE MIST COAT	ONE COAT	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
EXTERIOR		BLAST CLEAN	INORGANIC ZINC	F-150	F-150 OR F-151			
SURFACES		SSPC-SP-10	SILICATE,	MIL-DTL-24441,	MIL-DTL-24441,	APPLY WHILE	APPLY WHILE	APPLY WHILE
ABOVE			DOD-P-24648,	1-2 MILS WFT	2-4 MILS WHEN	EPOXY IS TACKY	EPOXY IS TACKY	EPOXY IS TACKY
BOOTTOP			2-3 MILS	OR	FIRST COAT IS	IN FINAL STAGE	IN FINAL STAGE	IN FINAL STAGE
WITH			OR	ONE COAT	STILL TACKY			
EXCEPTION			NSTM/CH-631,	ANTICORROSIVE,	OR			
OF FLIGHT			PARAGRAPH 631-8.23.2.1	MIL-PRF-24647,	ONE COAT			
DECK AND VERTICAL			631-8.23.2.1	1-2 MILS WFT	ANTICORROSIVE, MIL-PRF-24647,			
REPLENISH-					MIL-PRF-24047, 5 MILS			
MENT, WALK					3 MILIS			
AREAS, AND								
WELL DECK								
OVERHEAD								
AREAS								
SEE NOTE		ı						
(2)		I		SEE NOTE (1)	SEE NOTE (1)			
HANGAR	3	NEAR WHITE METAL	STRIPE COAT	PROPRIETARY NON-		ONE COAT		
DECKS,		BLAST CLEAN	PROPRIETARY NON-	SKID PRIMER		DARK GRAY,		
FLIGHT		SSPC-SP-10	SKID PRIMER	LISTED ON THE		MIL-PRF-24667		
DECKS, AND VERTICAL		OR FOR HYDROBLASTED	LISTED ON THE OPL FOR	QPL FOR MIL-PRF-24667		TYPE-I COMP-G		
REPLENISH-		SURFACES USE	MIL-PRF-24667	MIL-PRF-24007				
MENT DECK		INTERNATIONAL	MIL FRE 24007					
AREAS		COURTAULDS						
AKBAD		MARINE PAINT						
		COMPANY						
		HYDROBLASTING						
		STANDARD						
		HB2-1/2L, OR						
		NACE 5/SSPC-SP-						
		12 CONDITION						
		WJ-2L	GDD MODE (E)	g==g= (5)				
-	4	GAME AG LINE 3	SEE NOTE (7)	SEE NOTE (7)	DDODDTEMADY MOV	CAME AG LINE 2		
	4	SAME AS LINE 3	PROPRIETARY NON- SKID PRIMER	STRIPE COAT PROPRIETARY NON-	PROPRIETARY NON- SKID PRIMER	SAME AS LINE 3		
			LISTED ON THE	SKID PRIMER	LISTED ON THE			
			QPL FOR	LISTED ON THE	OPL FOR			
			MIL-PRF-24667	QPL FOR	MIL-PRF-24667			
				MIL-PRF-24667	_ = === === ···			
			SEE NOTE (7)	SEE NOTE (7)	SEE NOTE (7)			

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STEEL		A	В	С	D	E	F	G
SURFACES						HORIZONTAL		-
TABLE 2		SURFACE				SURFACES DECKS	MASTS AND STACKS	VERTICAL
(CONTINUED)	LINE	PREPARATION	PRIMER			AND FITTINGS	EXPOSED TO GASES	SURFACES
LOCATION:	5	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3		ONE COAT		
LANDING AND						DARK GRAY,		
CATAPULT						MIL-PRF-24667		
AREAS (CV'S						TYPE-I, COMP-L		
AND CVN'S						GDD NOWD (10)		
ONLY) WALK AREAS	6	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3		SEE NOTE (19) ONE COAT		
(ALL DECK		SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3		DARK GRAY,		
AREAS OTHER						MIL-PRF-24667		
THAN						TYPE-I, II OR		
HANGAR,						III, COMP-G		
FLIGHT AND						OR		
VERTREP)						ONE COAT		
						MIL-PRF-24667		
						TYPE IV		
						(10)		
	7	G145 16 1715 2	G11/E 1/G 1 T1/E /	G11/5 1G 1 T1/5 /	G1165 1G T T175 4	SEE NOTE (19)		
	/	SAME AS LINE 3	SAME AS LINE 4	SAME AS LINE 4	SAME AS LINE 4	SAME AS LINE 6		
EXTERIOR	8	POWER TOOL CLEAN	SAME AS LINE ONE	SAME AS LINE ONE	1	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
STEEL		TO BARE METAL,			'			
SURFACES		SSPC-SP-11						
THE T DEGIT	_	SEE NOTE (40)	071 007 0017	0175 055555	0177 00177			
WELL DECK OVERHEADS,	9	NEAR WHITE METAL BLAST CLEAN,	ONE COAT CREAM, SIGMA COATINGS	ONE STRIPE COAT GRAY, SIGMA	ONE COAT OFF-WHITE,			
BOTH		SSPC-SP-10	EDGEGUARD	COATINGS	SIGMA COATINGS			
EXPOSED AND		SSPC-SP-10	PRIMER,	EDGEGUARD	EDGEGUARD			
NON-EXPOSED			PDS NO. 5427,	TOPCOAT,	TOPCOAT,			
TO LCAC			6-8 MILS	PDS NO. 5428,	PDS NO. 5428,			
EXHAUST				8-12 MILS	10-12 MILS			
		1						
SEE NOTES		SEE NOTES (31)	SEE NOTE (33)	SEE NOTE (33)	SEE NOTE (33)			
(30) &(34)	10	SAME AS LINE 9	ONE COAT GOLD,	ONE STRIPE COAT	ONE COAT			
			SHERWIN WILLIAMS	DARK GRAY,	OFF-WHITE,			
			PRIMER,	SHERWIN WILLIAMS	SHERWIN WILLIAMS			
			B622H220/B62V220	NOVA-PLATE	NOVA-PLATE UHS			
			6-8 MILS	TOPCOAT,	TOPCOAT,			
				B62A220/B62V220, 8-12 MILS	B62A220/B62V220, 10-12 MILS			
				O TZ MITID	TO TO INITIO			
			SEE NOTE (33)	SEE NOTE (33)	SEE NOTE (33)			

STEEL		A	В	C	D	E	F	G
SURFACES						HORIZONTAL		
TABLE 2		SURFACE				SURFACES DECKS	MASTS AND STACKS	VERTICAL
(CONTINUED)	LINE	PREPARATION	PRIMER			AND FITTINGS	EXPOSED TO GASES	SURFACES
LOCATION:	11	POWER TOOL CLEAN	ONE COAT F-150					
VARIOUS		TO BARE METAL,	MIL-DTL-24441					
		SSPC-SP-11	TYPE-IV,					
			4-6 MILS					
		SEE NOTE (40)	SEE NOTE (1)					

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		А	В	С	D	E	F	G
STEEL SURFACES TABLE 3	LINE	SURFACE PREPARATION	PRIMER	WELDING BAYS AND LIGHT TRAPS	BULKHEADS AND OVERHEADS	DECKS	THERMAL INSULATION	MARKING
LOCATION:	1	HAND TOOL CLEAN,	2 COATS F-84	BULKHEADS AND	2 COATS	ONE COAT DECK	HULL,	FOR COMPARTMENT
INTERIOR COMPART- MENTS COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER NSTM/CH-631 PARAGRAPH 631-8.23.4	1	SSPC-SP-2	TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS OR ONE COAT F-150 MIL-DTL-24441, 2-4 MILS APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT OR MIL-PRF-23236, 3-5 MILS	OVERHEADS; ONE COAT BLACK NO. 37038 (FED-STD-595), MIL-PRF-24635, 3 MILS DECKS; ONE COAT BLACK NO. 27038 (FED-STD-595), MIL-PRF-24635, 3 MILS	MIL-PRF-24596, WATER-BASED INTERIOR LATEX, 5 MILS MAX OR 2 COATS OF NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING 5 MILS MAX	GRAY NO. 26008 (FED-STD-595), MIL-PRF-24635, 3 MILS (TO DECKS NOT RECEIVING COVERING)	VENTILATION AND PIPING INSULATION 2 COATS SAME AS BULKHEADS AND OVERHEADS	PIPING VENTILATION
		SEE NOTES (17) (28) &(40)	SEE NOTE (1)		SEE NOTE (9)		SEE NOTE (28)	SEE NOTE (18)
	2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	2 COATS DOD-E-24607, 3 MILS TOTAL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
INTERIOR COMPART- MENTS (OVERCOAT)	3	HAND TOOL CLEAN, SSPC-SP-2 SEE NOTE (28)&(40)	SAME AS LINE ONE FOR BARE METAL AREAS	SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT		SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT
WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES, AND STOREROOMS WHERE HEAVY	4	POWER TOOL CLEAN TO BARE METAL SSPC-SP-11	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT		ONE COAT F-152 MIL-DTL-24441 TYPE-IV, 4-6 MILS	ONE COAT F-151 MIL-DTL-24441 TYPE-IV, 4-6 MILS (TO DECKS NOT RECEIVING COVERING)	SAME AS LINE ONE	SAME AS LINE ONE
CONDENSA - TION IS COMMON)	5	SEE NOTES (28)(29)&(40) SAME AS LINE 4	SEE NOTES (1)&(29) MIL-PRF-23236		SEE NOTES (1)&(29) MIL-PRF-23236	SEE NOTES (1)&(29) MIL-PRF-23236	SAME AS LINE ONE	SAME AS LINE ONE
COMMON)	5	DAME AD LINE 4	MITT-5KL-72720		MIH-PRF-23230	MIL-PRE-23230	SAME AS LINE ONE	SAME AS LINE ONE

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STEEL		A	В	С	D	E	F	G
SURFACES								
TABLE 3		SURFACE		WELDING BAYS AND	BULKHEADS AND		THERMAL	
(CONTINUED)	LINE	PREPARATION	PRIMER	LIGHT TRAPS	OVERHEADS	DECKS	INSULATION	MARKING
LOCATION:	6	POWER TOOL CLEAN	ONE COAT		ONE STRIPE COAT	ONE STRIPE COAT		
WET SPACES		TO BARE METAL	EURONAVY ES301K,		EURONAVY ES301S,	EURONAVY ES301S,		
(WASH		SSPC-SP-11	4-6 MILS WFT		4-6 MILS WFT	4-6 MILS WFT		
ROOMS,					AND	AND		
WATER					ONE FINAL COAT	ONE FINAL COAT		
CLOSETS,					EURONAVY ES301S,	EURONAVY ES301S,		
SHOWER					4-6 MILS WFT	4-6 MILS WFT		
STALLS,								
GALLEYS,					TOTAL SYSTEM	TOTAL SYSTEM		
SCULLERIES,					12 MILS MAX	12 MILS MAX		
AND								
STOREROOMS								
WHERE HEAVY								
CONDENSA-								
TION IS								
COMMON)					0.00000			
	7	SAME AS LINE ONE	SAME AS LINE ONE		2 COATS THERMAL			
FIRE ZONE BULKHEAD					INSULATING			
BULKHEAD					(INTUMESCENT) PAINT,			
					MIL-PRF-46081			
					OR			
					MIL-PRF-24596			
					TYPE-II,			
					5 MILS/COAT			
INTERIOR	8	NEAR WHITE METAL	ONE COAT F-150		ONE COAT F-156	SAME AS COLUMN	SAME AS COLUMN	
STEEL	Ĭ	BLAST CLEAN,	MIL-DTL-24441		OR F-152	D/BULKHEADS	D/BULKHEADS	
SURFACES		SSPC-SP-10	TYPE-IV,		MIL-DTL-24441	OR	_,	
			4-6 MILS		TYPE-IV,	NOT APPLICABLE		
					4-6 MILS	(WHERE DECK		
						PLATES EXIST)		
			SEE NOTES		SEE NOTES	,		
		SEE NOTE (29)	(1)&(29)		(1)&(29)			SEE NOTE (18)

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CERTIFI		Т -			T	T	Г	
STEEL		A	В	C	D	E	F	G
SURFACES		CHDEAGE		LIEI DING DAVG AND	DITT KITEA DO AND		THE DAY I	
TABLE 3	T TATE	SURFACE	PRIMER	WELDING BAYS AND	BULKHEADS AND	DECKS	THERMAL	MADIZING
(CONTINUED) INTERIOR	LINE	PREPARATION		LIGHT TRAPS	OVERHEADS		INSULATION	MARKING
COMPART-	9	POWER TOOL CLEAN	2 COATS F-84	BULKHEADS AND	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
MENTS		TO BARE METAL,	TT-P-645, ALKYD	OVERHEADS; ONE				
COLORS TO		SSPC-SP-11	ZINC MOLYBDATE,	COAT BLACK				
BE			3 MILS	NO. 37038				
SPECIFIED			OR ONE COAT F-150	(FED-STD-595), MIL-PRF-24635,				
BY TYCOM OR			MIL-DTL-24441,	MIL-PRF-24035, 3 MILS				
SHIP'S			2-4 MILS	3 MILS				
COMMANDING			Z-4 MILS	DECKS; ONE COAT				
OFFICER PER			APPLY TOPCOAT	BLACK NO. 27038				
NSTM/CH-631			WHILE F-150 IS	(FED-STD-595),				
PARAGRAPH			STILL TACKY. IF	MIL-PRF-24635,				
631-8.23.4			F-150 IS HARD,	3 MILS				
			USE A TACK COAT					
			PRIOR TO TOPCOAT					
		SEE NOTES						
		(17)(28)&(40)	SEE NOTE (1)					
	10	SAME AS LINE 9	SAME AS LINE 9	SAME AS LINE ONE	2 COATS	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
					DOD-E-24607,			
					3 MILS TOTAL			
					SEE NOTE (38)			
INTERIOR	11	POWER TOOL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE			
COMPART-		CLEAN,	FOR BARE METAL	EXCEPT ONE COAT	EXCEPT ONE COAT			
MENTS		SSPC-SP-3	AREAS					
(OVERCOAT)								
WET SPACES	12	POWER TOOL CLEAN	ONE COAT F-150		2 COATS F-152	2 COATS F-151	SAME AS LINE ONE	SAME AS LINE ONE
(WASH		TO BARE METAL,	MIL-DTL-24441,		MIL-DTL-24441,	MIL-DTL-24441,		
ROOMS,		SSPC-SP-11	2-4 MILS		2-4 MILS/COAT	4-8 MILS TOTAL		
WATER			APPLY TOPCOAT			(TO DECKS NOT RECEIVING		
CLOSETS, SHOWER			WHILE F-150 IS			COVERING)		
SHOWER STALLS,			STILL TACKY. IF			COVERING)		
GALLEYS,			F-150 IS HARD,					
SCULLERIES,			USE A TACK COAT					
AND			PRIOR TO TOPCOAT					
STOREROOMS		SEE NOTES	INION TO TOTCOM					
WHERE HEAVY		(28)&(40)	SEE NOTE (1)		SEE NOTE (1)	SEE NOTE (1)		
CONDENSA -			, ,		222 11011 (1)	522 11012 (1)		
TION IS	13	SAME AS LINE 12	MIL-PRF-23236				SAME AS LINE ONE	SAME AS LINE ONE
COMMON)			CLASS ONE					
COMMON)	l					l		<u> </u>

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STEEL		A	В	С	D	E	F	G
SURFACES								
TABLE 3		SURFACE		WELDING BAYS AND	BULKHEADS AND		THERMAL	
(CONTINUED)	LINE	PREPARATION	PRIMER	LIGHT TRAPS	OVERHEADS	DECKS	INSULATION	MARKING
LOCATION:	14	POWER TOOL CLEAN	ONE COAT		ONE STRIPE COAT	ONE STRIPE COAT		
WET SPACES		TO BARE METAL,	EURONAVY ES301K,		SHERWIN WILLIAMS	EURONAVY ES301S,		
(WASH		SSPC-SP-11	4-6 MILS WFT		DURA-PLATE UHS,	4-6 MILS WFT		
ROOMS,					4-6 MILS WFT	AND		
WATER					AND	ONE FINAL COAT		
CLOSETS,					ONE FINAL COAT	EURONAVY ES301S,		
SHOWER					SHERWIN WILLIAMS	4-6 MILS WFT		
STALLS,					DURA-PLATE UHS,			
GALLEYS,					4-6 MILS WFT	TOTAL SYSTEM		
SCULLERIES,						12 MILS MAX		
AND					TOTAL SYSTEM			
STOREROOMS					12 MILS MAX			
WHERE HEAVY								
CONDENSA -								
TION IS COMMON)								
FIRE ZONE	15	SAME AS LINE 12	SAME AS LINE ONE		SAME AS LINE 7			
BULKHEAD	15	SAME AS LINE 12	SAME AS LINE ONE		SAME AS LINE /			
INTAKE VENT	16	NEAR WHITE METAL	ONE COAT CREAM,		ONE STRIPE COAT			
PLENUMS	10	BLAST CLEAN,	SIGMA COATINGS		GREEN, SIGMA			
BETWEEN		SSPC-SP-10	EDGEGUARD PRIMER		COATINGS			
SKIN OF			PDS NO. 5427,		EDGEGUARD			
SHIP AND			5-6 MILS		TOPCOAT			
MOISTURE					PDS NO. 5428,			
SEPARATORS					8-12 MILS			
					AND			
					ONE COAT			
					SIGMA COATINGS			
					EDGEGUARD			
					TOPCOAT			
					PDS NO. 5428,			
					10-12 MILS			
		'	SEE NOTE (33)		SEE NOTE (33)			

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CORRECT		T -		T a				ī ā
STEEL		A	В	С	D	E	F	G
SURFACES		G175 73 G7			D			
TABLE 3	TTNE	SURFACE	DD TMED	WELDING BAYS AND	BULKHEADS AND	DEGRO	THERMAL	MADUTAG
(CONTINUED)	LINE	PREPARATION	PRIMER	LIGHT TRAPS	OVERHEADS	DECKS	INSULATION	MARKING
LOCATION:	17	SAME AS LINE 16	ONE COAT GOLD,		ONE STRIPE COAT	ONE STRIPE COAT		
INTAKE VENT			SHERWIN WILLIAMS		DARK GRAY,	DARK GRAY,		
PLENUMS			PRIMER		SHERWIN WILLIAMS	SHERWIN WILLIAMS		
BETWEEN			B622H220/B62V220		NOVA-PLATE	NOVA-PLATE		
SKIN OF			6-8 MILS		TOPCOAT	TOPCOAT		
SHIP AND					B62A220/B62V220,	B62A220/B62V220,		
MOISTURE					8-12 MILS AND	8-12 MILS AND		
SEPARATORS						ONE COAT		
					ONE COAT OFF-WHITE,	OFF-WHITE,		
					SHERWIN WILLIAMS	SHERWIN WILLIAMS		
					NOVA-PLATE UHS	NOVA-PLATE UHS		
					TOPCOAT,	TOPCOAT,		
					LIGHT GRAY	LIGHT GRAY		
					B62A220/B62V220,	B62A220/B62V220,		
					10-12 MILS	10-12 MILS		
					10-12 MILS	10-12 MILS		
			SEE NOTE (33)		SEE NOTE (33)	SEE NOTE (33)		
	18	FOR HYDROBLASTED	ONE COAT		ONE STRIPE COAT	ONE STRIPE COAT		
		SURFACES USE	EURONAVY ES301K,		EURONAVY ES301S,	EURONAVY ES301S,		
		INTERNATIONAL	4-6 MILS WFT		4-6 MILS WFT	4-6 MILS WFT		
		COURTAULDS			AND	AND		
		MARINE PAINT			ONE FINAL COAT	ONE FINAL COAT		
		COMPANY			EURONAVY ES301S,	EURONAVY ES301S,		
		HYDROBLASTING			4-6 MILS WFT	4-6 MILS WFT		
		STANDARD						
		HB2-1/2L, OR						
		NACE 5/SSPC-SP-			TOTAL SYSTEM	TOTAL SYSTEM		
		12 CONDITION			8 MILS MIN	8 MILS MIN		
		WJ-2L			12 MILS MAX	12 MILS MAX		
INTERIOR	19	SAME AS LINE 12	SAME AS LINE 12					
DECK								
SURFACES		1111D 1111TTT 1	01111 00 1111		ONE GERTSE COST	OVE CO.15		
MIXING ROOM	20	NEAR WHITE METAL	ONE COAT		ONE STRIPE COAT	ONE COAT		
/UPTAKE		BLAST CLEAN,	SIGMA COATINGS		SIGMA COATINGS	SIGMA COATINGS		
SPACES WITH		SSPC-SP-10	EDGEGUARD PRIMER		EDGEGUARD	EDGEGUARD		
VENTS OR			6-8 MILS		TOPCOAT,	TOPCOAT,		
LOUVERS TO	- 0.1				8-12 MILS	8-12 MILS		
THE OUTSIDE	21	SAME AS LINE 20	ONE COAT SHERWIN		ONE STRIPE COAT	ONE COAT		
ATMOSPHERE			WILLIAMS PRIMER		SHERWIN WILLIAMS	SHERWIN WILLIAMS		
(BULKHEADS AND DECKS)					NOVA-PLATE	NOVA-PLATE		
AND DECKS)					TOPCOAT	TOPCOAT		
	<u> </u>	l		l	8-12 MILS	8-12 MILS		l

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STEEL		А	В	C	D	E	F	G
SURFACES								
TABLE 3		SURFACE		WELDING BAYS AND	BULKHEADS AND		THERMAL	
(CONTINUED)	LINE	PREPARATION	PRIMER	LIGHT TRAPS	OVERHEADS	DECKS	INSULATION	MARKING
LOCATION:	22	POWER TOOL CLEAN	ONE COAT			ONE COAT		
DECKS,		TO BARE METAL,	BELZONA CERAMIC			BELZONA CERAMIC		
INSIDE THE		SSPC-SP-11	METAL 4311,			METAL 4311,		
COAMING,			12-18 MILS			12-18 MILS		
UNDER AFFF		SEE NOTE (32)						
PROPORTIONI	23	SAME AS LINE 22	ONE COAT			ONE COAT		
NG UNITS			CHESTERTON			CHESTERTON		
			ARC 855N,			ARC 855N,		
			12-18 MILS			12-18 MILS		
	24	SAME AS LINE 22	ONE COAT			ONE COAT		
			PALMER-ENECON			PALMER-ENECON		
			CERAMALLOY CL+,			CERAMALLOY CL+,		
			12-18 MILS DFT			12-18 MILS DFT		

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		A	В	С	D	E	F	G
STEEL								
SURFACES		SURFACE						
TABLE 4	LINE	PREPARATION						TOTAL
LOCATION:	1	NEAR WHITE METAL	ONE COAT	ONE COAT				TOTAL SYSTEM
POTABLE		BLAST CLEAN,	INTERNATIONAL	INTERNATIONAL				6 MILS MIN
WATER TANKS		SSPC-SP-10	5747/5748 GREEN,	5753/5754 WHITE,				8 MILS MAX
			4 MILS MAX	4 MILS MAX				
		SEE NOTE (26)						SEE NOTE (37)
	2	SAME AS LINE ONE	ONE COAT	ONE COAT				TOTAL SYSTEM
			TANKGUARD	TANKGUARD NO. 3,				6 MILS MIN
			NO. ONE,	2-4 MILS				8 MILS MAX
			2-4 MILS					
								SEE NOTE (37)
	3	SAME AS LINE ONE	ONE COAT F-150	ONE COAT F-156	ONE COAT F-152			TOTAL SYSTEM
			MIL-DTL-24441	MIL-DTL-24441	MIL-DTL-24441			8 MILS MIN
			TYPE-III,	TYPE-III,	TYPE-III,			12 MILS MAX
			2-4 MILS	2-4 MILS	2-4 MILS			
			SEE NOTE (1)	SEE NOTE (1)	SEE NOTE (1)			SEE NOTE (37)
	4	SAME AS LINE ONE	ONE COAT	ONE COAT				TOTAL SYSTEM
			JOTUN SOVAPON	JOTUN SOVAPON				6 MILS MIN
			264-W-12,	264-F-25,				8 MILS MAX
			4 MILS MAX	4 MILS MAX				
								SEE NOTE (37)

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		A	В	C	D	E	F	G
STEEL								
SURFACES		SURFACE						
TABLE 5	LINE	PREPARATION						TOTAL
LOCATION:	1	NEAR WHITE METAL	ONE COAT F-150		ONE COAT F-152			TOTAL SYSTEM
FEEDWATER		BLAST CLEAN,	MIL-DTL-24441		MIL-DTL-24441			8 MILS MIN
TANKS ONLY		SSPC-SP-10	TYPE-IV,		TYPE-IV,			12 MILS MAX
			4-6 MILS		4-6 MILS			
		SEE NOTES	SEE NOTES		SEE NOTES			
		(26)&(29)	(1)&(29)		(1)&(29)			
	2	SAME AS LINE ONE	NSTM/CH-631,					
			TABLE 631-8-5					

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		A	В	С	D	E	F	G
STEEL								
SURFACES		SURFACE						
TABLE 6	LINE	PREPARATION	PRIMER					TOTAL
LOCATION:	1	NEAR WHITE METAL	ONE COAT CREAM,	ONE STRIPE COAT	ONE COAT GRAY,			
JP-5 TANKS,		BLAST CLEAN,	SIGMA COATINGS	OFF-WHITE,	SIGMA COATINGS			
MOGAS		SSPC-SP-10	EDGEGUAR D	SIGMA COATINGS	EDGEGUARD			
TANKS,			PRIMER,	EDGEGUARD	TOPCOAT			
FUEL OIL			PDS NO. 5427,	TOPCOAT	PDS NO. 5428,			
SERVICE			6-8 MILS	PDS NO. 5428,	10-16 MILS			
TANKS,				8-12 MILS				
DIESEL								
SERVICE								
TANKS,								
CONTAMI-								
NATED FUEL								
TANKS,								
FUEL COMP								
TANKS,								
FURL								
STORAGE								
TANKS								
EDGE								
RETENTIVE								
EXTENDED								
SERVICE								
LIFE 15-20		CEE NOTE (26)	GEE NOME (33)	GEE NOWE (33)	GEE NOME (22)			
YEARS	I	SEE NOTE (26)	SEE NOTE (33)	SEE NOTE (33)	SEE NOTE (33)			

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	1		T _	T	_		T	
STEEL		A	В	С	D	E	F	G
SURFACES								
TABLE 6		SURFACE						
(CONTINUED)	LINE	PREPARATION	PRIMER					TOTAL
LOCATION:	2	NEAR WHITE METAL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE			
JP-5 TANKS,		BLAST CLEAN,						
MOGAS		SSPC-SP-10						
TANKS,								
FUEL OIL								
SERVICE								
TANKS,								
DIESEL								
SERVICE								
TANKS,								
CONTAMI-								
NATED FUEL								
TANKS,								
FUEL COMP								
TANKS,								
FURL								
STORAGE								
TANKS								
EDGE								
RETENTIVE								
SERVICE								
LIFE 10-12		1						
YEARS		l I						

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STEEL		А	В	С	D	E	F	G
SURFACES								
TABLE 6		SURFACE						
(CONTINUED)	LINE	PREPARATION	PRIMER					TOTAL
LOCATION:	3	SAME AS LINE 2	ONE COAT F-150		ONE COAT F-152			TOTAL SYSTEM
JP-5 TANKS,			MIL-DTL-24441		MIL-DTL-24441			8 MILS MIN
MOGAS			TYPE-IV,		TYPE-IV,			12 MILS MAX
TANKS, FUEL OIL			4-6 MILS		4-6 MILS			
SERVICE								
TANKS,								
DIESEL								
SERVICE								
TANKS,								
CONTAMI-								
NATED FUEL								
TANKS,								
FUEL COMP								
TANKS,								
FURL								
STORAGE								
TANKS								
NORMAL								
SERVICE								
LIFE 5-7			SEE NOTES		SEE NOTES			
YEARS			(1)&(29)		(1)&(29)			
	4	SAME AS LINE 2	MIL-PRF-23236	MIL-PRF-23236	(1/4(2))			EACH COAT AND
								TOTAL SYSTEM:
								APPLY IN
								ACCORDANCE WITH
								MANUFACTURER'S
								PUBLISHED DATA
								SHEETS
			CDD NOME (10)	ODD NOBE (10)				OPP NOWE (11)
CUT /MCD	5	CAME AC TIME ONE	SEE NOTE (10)	SEE NOTE (10)	ONE COAT WITTER			SEE NOTE (11)
CHT/MSD TANKS	5	SAME AS LINE ONE	SAME AS LINE ONE	ONE STRIPE COAT GREEN, SIGMA	ONE COAT WHITE, SIGMA COATINGS			
TANKS				COATINGS	EDGEGUARD			
				EDGEGUARD	TOPCOAT			
				TOPCOAT	PDS NO. 5428,			
				PDS NO. 5428,	10-16 MILS			
				8-12 MILS				
				SEE NOTE (33)	SEE NOTE (33)			
AFFF TANKS	6	SAME AS LINE ONE	ONE COAT F-150	ONE COAT F-151	ONE OR MORE			TOTAL SYSTEM
			MIL-DTL-24441,	MIL-DTL-24441,	COATS F-152			8 MILS MIN
			2-4 MILS	2-4 MILS	MIL-DTL-24441,			12 MILS MAX
					2-4 MILS			
			CEE NOTE (1)	CEE NOTE (1)	CEE NOTE (1)			
			SEE NOTE (1)	SEE NOTE (1)	SEE NOTE (1)		l	

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STEEL		A	В	С	D	E	F	G
SURFACES TABLE 6		SURFACE						
(CONTINUED)	LINE	PREPARATION	PRIMER					TOTAL
LOCATION: AFFF TANKS	7	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE 5	SAME AS LINE 5			
BALLAST TANKS, FLOODABLE VOIDS, (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT AND ABOVE)	8	SAME AS LINE ONE	ONE COAT SIGMA COATINGS SIGMAGUARD BT 5404 AMBER, 4-5 MILS	ONE STRIPE COAT SIGMA COATINGS SIGMAGUARD BT 5411-S674 GRAY, 8-12 MILS	ONE COAT SIGMA COATINGS SIGMAGUARD BT 5411-S674 AQUA, 10-12 MILS			TOTAL SYSTEM 14 MILS MIN 17 MILS MAX AREAS OF STRIPE COAT (CORNERS, EDGES AND WELDS) 22 MILS MIN 29 MILS MAX
EDGE RETENTIVE EXTENDED SERVICE LIFE 15-20 YEARS	9	SAME AS LINE ONE	SEE NOTE (33) ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4-8 MILS	SEE NOTE (33) ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 8-12 MILS	SEE NOTE (33) ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10-12 MILS			TOTAL SYSTEM 14 MILS MIN 20 MILS MAX AREAS OF STRIPE COAT (CORNERS, EDGES AND WELDS) 22 MILS MIN 29 MILS MAX
	10	INTENTIONALLY LEF	T BLANK				1	1
INTENTION- ALLY LEFT BLANK	11	INTENTIONALLY LEF	T BLANK					l
BALLAST TANKS, FLOODABLE VOIDS,	12	SAME AS LINE 2	SAME AS LINE 8	SAME AS LINE 8	SAME AS LINE 8			SAME AS LINE 8
(SUBSTRATE TEMPERATURE	13	SAME AS LINE 2	SAME AS LINE 9	SAME AS LINE 9	SAME AS LINE 9			SAME AS LINE 9
50 DEGREES FAHRENHEIT AND ABOVE)								

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STEEL A B C D E F SURFACES TABLE 6 SURFACE (CONTINUED) LINE PREPARATION PRIMER INTENTION- 15 INTENTIONALLY LEFT BLANK ALLY LEFT	G TOTAL
TABLE 6 SURFACE (CONTINUED) LINE PREPARATION PRIMER INTENTION- 15 INTENTIONALLY LEFT BLANK	TOTAL
(CONTINUED) LINE PREPARATION PRIMER INTENTION- 15 INTENTIONALLY LEFT BLANK	TOTAL
INTENTION- 15 INTENTIONALLY LEFT BLANK	
ALLY LEFT	
BLANK	
LOCATION: 16 SAME AS LINE 2 SAME AS LINE 3 SAME AS LINE 3	SAME AS LINE 3
BALLAST	
TANKS,	
FLOODABLE	
VOIDS,	
(SUBSTRATE	
TEMPERATURE	
50 DEGREES 17 SAME AS LINE 2 SAME AS LINE 4 SAME AS LINE 4	SAME AS LINE 4
FAHRENHEIT	
AND ABOVE)	
NORMAL SERVICE	
LIFE 5-7	
YEARS	
LOCATION: 18 SAME AS LINE 2 SAME AS LINE 3 SAME AS LINE 3	SAME AS LINE 3
BALLAST	
TANKS,	
FLOODABLE	
VOIDS	
(HCE ONLY	
(USE ONLY WHEN	
SUBSTRATE	
TEMPERATURE	
CANNOT BE 19 SAME AS LINE 2 MIL-PRF-23236 MIL-PRF-23236	SAME AS LINE 4
MAINTAINED GRADE-A GRADE-A	
ABOVE 50	
DEGREES	
FAHRENHEIT)	
NORMAL	
SERVICE	
LIFE 5-7	
YEARS SEE NOTE (10) SEE NOTE (10)	

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		A	В	C	D	E	F	G
STEEL SURFACES		SURFACE						
TABLE 7	LINE	PREPARATION	PRIMER	PRIMER				TOTAL
LOCATIONS:	1	NEAR WHITE METAL	ONE COAT F-150	TRIPIBR	ONE COAT F-152			TOTAL SYSTEM
CHAIN		BLAST CLEAN,	MIL-DTL-24441		OR F-153			8 MILS MIN
LOCKERS		SSPC-SP-10	TYPE-IV,		MIL-DTL-24441			12 MILS MAX
LOCKLING		5516 51 10	4-6 MILS		TYPE-IV,			12 11110 1111
					4-6 MILS			
		1	SEE NOTES		SEE NOTES			
		SEE NOTE (29)	(1)&(29)		(1)&(29)			
	2	SAME AS LINE ONE	MIL-PRF-23236	MIL-PRF-23236				EACH COAT AND
								TOTAL SYSTEM: APPLY IN
								ACCORDANCE WITH
								MANUFACTURER'S
								PUBLISHED DATA
								SHEETS
			SEE NOTE (10)	SEE NOTE (10)				SEE NOTE (11)
	3	SAME AS LINE ONE	ONE COAT	ONE MIST COAT	ONE COAT	ONE COAT F-152		TOTAL SYSTEM
			INORGANIC ZINC	F-150	F-151	OR F-153		10 MILS MIN
			PRIMER	MIL-DTL-24441,	MIL-DTL-24441,	MIL-DTL-24441,		16 MILS MAX
			DOD-P-24246,	1-2 MILS WFT	2-4 MILS	2-4 MILS		
			3-5 MILS OR					
			NSTM/CH-631					
			PARAGRAPH					
			631-8.23.2.1	SEE NOTE (1)	SEE NOTE (1)	SEE NOTES (1)		
NON -	4	SAME AS LINE ONE	SAME AS LINE 3		SAME AS LINE 3	,		SAME AS LINE 3
FLOODABLE								
VOIDS								
	5	SAME AS LINE ONE	SAME AS LINE 4	SAME AS LINE 4				SAME AS LINE 4
	6	INTENTIONALLY LEF	T BLANK					
	7	SAME AS LINE ONE	ONE COAT	ONE COAT				TOTAL SYSTEM
			SIGMA COATINGS	SIGMA COATINGS				14 MILS MIN
			SIGMAGUARD BT	SIGMAGUARD BT				17 MILS MAX
			5404 AMBER,	5411-S674 AQUA,				
			4-5 MILS	10-12 MILS				AREAS OF STRIPE
								COAT (CORNERS,
								EDGES AND WELDS)
			GDD MODE (22)	CDD NOBE (22)				22 MILS MIN
			SEE NOTE (33)	SEE NOTE (33)				29 MILS MAX

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CERTIFIE	l	7	Г Б	G	Г Б	T	Г п	G 1
STEEL SURFACES		A	В	С	D	E	F	G
TABLE 7		SURFACE						
(CONTINUED)	LINE	PREPARATION	PRIMER	PRIMER				TOTAL
LOCATION:	8	SAME AS LINE ONE	ONE COAT	ONE COAT				TOTAL SYSTEM
	0	SAME AS LINE ONE						14 MILS MIN
NON - FLOODABLE			SHERWIN WILLIAMS	SHERWIN WILLIAMS				
VOIDS			DURA-PLATE UHS PRIMER,	DURA-PLATE UHS, 10-12 MILS				20 MILS MAX
VOIDS			4-8 MILS	10-12 MILS				AREAS OF STRIPE
			4 0 MILD					COAT (CORNERS,
								EDGES AND WELDS)
								22 MILS MIN
			SEE NOTE (33)	SEE NOTE (33)				29 MILS MAX
	9	POWER TOOL CLEAN	2 COATS F-84	ONE COAT				TOTAL SYSTEM
		TO BARE METAL,	TT-P-645,	INSIGNIA WHITE				4.5 MILS MIN
		SSPC-SP-11	ALKYD ZINC	NO. 27875				6 MILS MAX
			MOLYBDATE,	(FED-STD-595),				
			3 MILS TOTAL	MIL-PRF-24635,				
		SEE NOTE (40)		3 MILS				
MACHINERY	10	POWER TOOL CLEAN	SAME AS LINE ONE		BILGE AREA:	ABOVE BILGE		TOTAL SYSTEM
SPACES AND		TO BARE METAL,			ONE COAT F-156	AREA:		8 MILS MIN
BILGES		SSPC-SP-11			MIL-DTL-24441	2 COATS F-124		12 MILS MAX
					TYPE-IV,	DOD-E-24607,		
					4-6 MILS	2-4 MILS		
		GRE NOTES			GER NOWEG			
		SEE NOTES (29)&(40)			SEE NOTES (1)&(29)			
	11	SAME AS LINE 10	SAME AS LINE 2	SAME AS LINE 2	(1)&(29)	SAME AS LINE 10		SAME AS LINE 2
	1 11	SAME AS LINE 10	SAME AS LINE Z	SAME AS LINE Z		SAME AS LINE 10		SAME AS LINE Z
	12	POWER TOOL CLEAN	ONE COAT	ONE STRIPE COAT	FINAL COAT	SAME AS LINE 9		TOTAL SYSTEM
		TO BARE METAL,	EURONAVY ES301K,	EURONAVY ES301S,	EURONAVY ES301S,			8 MILS MIN
		SSPC-SP-11	4-6 MILS WFT	4-6 MILS WFT	4-6 MILS WFT			12 MILS MAX
		OR						
		FOR HYDROBLASTED						
		SURFACES USE						
		INTERNATIONAL						
		COURTAULDS						
		MARINE PAINT						
		COMPANY						
		HYDROBLASTING						
		STANDARD						
		HB2-1/2L, OR						
		NACE 5/SSPC-SP-						
		12 CONDITION WJ-2L						
		WU ZII						
		SEE NOTE (40)						

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		A	В	С	D	E	F	G
ALUMINUM					_	_	_	
SURFACES		SURFACE				KEEL TO BOTTOM		
TABLE 8	LINE	PREPARATION	PRIMER			OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	1	NEAR WHITE METAL	ONE COAT	ONE COAT	ONE COAT	ONE COAT	ONE COAT	ONE COAT
UNDERWATER		BLAST CLEAN,	INTERNATIONAL	INTERNATIONAL	INTERNATIONAL	INTERNATIONAL	INTERNATIONAL	INTERNATIONAL
HULL (KEEL		USING GARNET OR	FPL 274/FPA 327	FPJ 034/FPA 327	BXA 380/BXA 381	BXA 816/BXA	BXA 816/BXA	BXA 819/BXA
TO BOOTTOP,		ALUMINUM OXIDE,	RED, 5 MILS,	GRAY, 5 MILS	DARK GRAY,	821/BXA 822	821/BXA 822	821/BXA 822
INCLUDING		MIL-A-21380 OR	WITHIN 4 HRS		3-5 MILS	GRAY, 6 MILS	GRAY, 6 MILS	BLACK
PROPULSION		MIL-A-22262	AFTER SURFACE					
SHAFT		OR	PREPARATION					
OUTBOARD		FOR HYDROBLASTED						
BEARING VOIDS)		SURFACES USE						
VOIDS)		INTERNATIONAL COURTAULDS						
SEE NOTE		MARINE PAINT						
(35)		COMPANY						
(33)		HYDROBLASTING						
		STANDARD						
		HB2-1/2L, OR						
		NACE 5/SSPC-SP-						
		12 CONDITION						
		WJ-2L						
			SEE NOTE (4)	SEE NOTE (4)				
	2	TOUCH-UP OR	FOR TOUCH-UP, OR					SAME AS LINE ONE
		REMOVE PAINT SYSTEM TO SOUND	FOLLOWING PAINT REMOVAL TO SOUND					
		PRIMER BY LIGHT	PRIMER, USE					
		ABRASIVE BLAST	APPROPRIATE					
		CLEAN WITH BLACK	PAINT SYSTEM					
		WALNUT SHELLS	FROM LINE ONE					
		CONFORMING TO						
		A-A-1722 TYPE 2						
		AND						
		SPOT CLEAN,						
		NSTM/CH-631						
		PARAGRAPH						
		631-5.2.4.3						
		SEE NOTE (21)						

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ALUMINUM		А	В	С	D	Е	F	G
SURFACES		A	Б	C	D		<u>r</u>	G
TABLE 8		SURFACE				KEEL TO BOTTOM		
(CONTINUED)	LINE	PREPARATION	PRIMER	PRIMER		OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	3	ABRASIVE BLAST	FOR TOUCH-UP, OR					SAME AS LINE ONE
UNDERWATER		CLEAN, USING	FOLLOWING PAINT					
HULL (KEEL		ALUMINUM OXIDE,	REMOVAL TO SOUND					
TO BOOTTOP,		MIL-A-21380	PRIMER, USE					
INCLUDING		TYPE-ONE, OR	APPROPRIATE					
PROPULSION		BLACK WALNUT	PAINT SYSTEM					
SHAFT		SHELLS	FROM LINE ONE					
OUTBOARD		CONFORMING TO						
BEARING		A-A-1722 TYPE-2,						
VOIDS)		TO SOUND PRIMER						
SEE NOTE								
(35)								
APPLIES TO								
PHM'S ONLY		SEE NOTE (21)						
UNDERWATER	4	SAME AS LINE ONE	ONE COAT F-150	2 COATS		ANTIFOULING		
HULL	-	DIVID THE ETIVE CIVE	MIL-DTL-24441,	INTERNATIONAL		PAINT SAME AS		
(STRUTS,			3-4 MILS DFT,	PGA 750/751,		SURROUNDING HULL		
RUDDERS,			WITHIN 4 HOURS	25 MILS/COAT FOR				
AND OTHER			AFTER SURFACE	A TOTAL OF 50				
CAVITATION			PREPARATION	MILS				
PRONE								
AREAS)			SEE NOTE (1)					
	5	SAME AS LINE ONE	ONE COAT AMERON	SAME AS LINE 4		SAME AS LINE 4		
			BAR-RUST 235,					
			RED, 3-4 MILS,					
			WITHIN 4 HOURS					
			AFTER SURFACE					
			PREPARATION					
			SEE NOTE (3)					
	6	SAME AS LINE ONE	ONE COAT	SAME AS LINE 4		SAME AS LINE 4		
			INTERNATIONAL					
			FPL 274/FPA 327,					
			3-4 MILS,					
			WITHIN 4 HOURS					
			AFTER SURFACE					
			PREPARATION					
			SEE NOTE (4)					

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\text{FY-02}
\end{array}$

		А	В	С	D	E	F	G
ALUMINUM						HORIZONTAL		
SURFACES		SURFACE				SURFACES DECKS	MASTS AND STACKS	VERTICAL
TABLE 9	LINE	PREPARATION	PRIMER		TOPCOAT	AND FITTINGS	EXPOSED TO GASES	SURFACES
LOCATION:	1	ABRASIVE BLAST	ONE COAT F-150	ONE COAT F-152		ONE COAT DECK	ONE COAT HAZE	ONE COAT
EXTERIOR		CLEAN, USING	MIL-DTL-24441	MIL-DTL-24441	'	GRAY NO. 26008	GRAY NO. 26270	HAZE GRAY
SURFACES		GARNET OR	TYPE-IV,	TYPE-IV,		(FED-STD-595),	(FED-STD-595)	NO. 26270
ABOVE		ALUMINUM OXIDE,	4-6 MILS,	4-6 MILS		MIL-PRF-24635	MIL-PRF-24635	(FED-STD-595),
BOOTTOP		MIL-A-21380 OR	WITHIN 4 HRS			(LOW SOLAR	(LOW SOLAR	MIL-PRF-24635
		MIL-A-22262	AFTER SURFACE			ABSORPTION ONLY)	ABSORPTION ONLY)	(LOW SOLAR
		OR	PREPARATION			3 MILS	3 MILS	ABSORPTION
		BLACK WALNUT					OR	ONLY), 3 MILS
		SHELLS					MIL-E-24763	OR
		CONFORMING TO A-A-1722 TYPE-2					TYPE-II	MIL-E-24763,
		A-A-1/22 11PE-2					CLASS-2, 3 MILS	TYPE-II, CLASS-2 3 MILS, PAINT
		SPOT CLEAN,					OR	DESIGNATIONS AND
		NSTM/CH-631					INTERNATIONAL	MARKINGS
		PARAGRAPH					INTERNATIONAL INTERLAC ONE	MIL-PRF-24635
		631-5.2.4.3					PRODUCT NO.	(LOW SOLAR
		OR					45587A HAZE GRAY	ABSORPTION ONLY)
		FOR HYDROBLASTED					(LOW SOLAR	OR
		SURFACES USE					ABSORPTION ANTI-	INTERNATIONAL
		INTERNATIONAL					STAIN)	INTERLAC ONE,
		COURTAULDS					,	PRODUCT NO.
		MARINE PAINT						45587A, HAZE
		COMPANY						GRAY (LOW SOLAR
		HYDROBLASTING						ABSORPTION ANTI-
		STANDARD						STAIN)
		HB2-1/2L, OR						OR
		NACE 5/SSPC-SP-						NILES CHEMICAL
		12 CONDITION						PAINT CO. N-6605
		WJ-2L						(LOW SOLAR
								ABSORPTION ONLY)
								IN LIEU OF WHITE
								USE LT GRAY
								NO. 26373
								(FED-STD-595);
								IN PLACE OF
								BLACK USE OCEAN
		SEE NOTES	SEE NOTES	SEE NOTES				GRAY NO. 26173
		(21)(22)&(29)	(1)&(29)	(1)&(29)		SEE NOTE (8)		(FED-STD-595)
	2	SAME AS LINE ONE		2 COATS F-84		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
				TT-P-645,				
				ALKYD ZINC				
				MOLYBDATE,				
				3 MILS TOTAL				

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ALUMINUM		A	В	С	D	E	F	G
SURFACES		A	Б		D	HORIZONTAL	r .	9
TABLE 9		SURFACE				SURFACES DECKS	MASTS AND STACKS	VERTICAL
(CONTINUED)	LINE	PREPARATION	PRIMER		TOPCOAT	AND FITTINGS	EXPOSED TO GASES	SURFACES
LOCATION:	3	NEAR WHITE METAL	STRIPE COAT	PROPRIETARY		ONE COAT	-	
WALK AREAS,		BLAST CLEAN,	PROPRIETARY	NON-SKID PRIMER,		MIL-PRF-24667		
ALL DECK		SSPC-SP-10,	NON-SKID PRIMER,	LISTED ON THE		TYPE-I, II OR		
AREAS OTHER		USING GARNET OR	LISTED ON THE	QPL FOR		III COMP-G		
THAN HANGAR		ALUMINUM OXIDE,	OPL FOR	MIL-PRF-24667		OR		
DECKS,		MIL-A-21380 OR	MIL-PRF-24667	1		ONE COAT		
FLIGHT		MIL-A-22262				MIL-PRF-24667		
DECKS, AND		OR				TYPE-IV		
VERTICAL		BLACK WALNUT						
REPLENISH-		SHELLS						
MENT DECK		CONFORMING TO						
AREAS		A-A-1722 TYPE-2						
		OR						
		FOR HYDROBLASTED						
		SURFACES USE						
		INTERNATIONAL						
		COURTAULDS						
		MARINE PAINT						
		COMPANY						
		HYDROBLASTING						
		STANDARD						
		HB2-1/2L, OR						
		NACE 5/SSPC-SP-						
		12 CONDITION						
		WJ-2L						
		SEE NOTES						
		(21)(22)	SEE NOTE (7)	SEE NOTE (7)		SEE NOTE (19)		
	4	SAME AS LINE 3	ROPRIETARY	STRIPE COAT	ROPRIETARY	SAME AS LINE 3		
			NON-SKID PRIMER,	PROPRIETARY	NON-SKID PRIMER,			
			LISTED ON THE	NON-SKID PRIMER,	LISTED ON THE			
			QPL FOR	LISTED ON THE	QPL FOR			
			MIL-PRF-24667	QPL FOR	MIL-PRF-24667			
				MIL-PRF-24667				
		G3.VE 3.G = ^	SEE NOTE (7)	SEE NOTE (7)	SEE NOTE (7)	0377 00377		
HANGAR	5	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3		ONE COAT		
DECKS,						DARK GRAY,		
FLIGHT						MIL-PRF-24667		
DECKS,				:		TYPE-I COMP-G		
AND	6	SAME AS LINE 3	SAME AS LINE 4	SAME AS LINE 4	SAME AS LINE 4	SAME AS LINE 5		
VERTICAL								
REPLENISH-								
MENT DECK AREAS								

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ALUMINUM		A	В	С	D	E	F	G
SURFACES						HORIZONTAL		
TABLE 9		SURFACE				SURFACES DECKS	MASTS AND STACKS	VERTICAL
(CONTINUED)	LINE	PREPARATION	PRIMER		TOPCOAT	AND FITTINGS	EXPOSED TO GASES	SURFACES
LOCATION:	7	POWER TOOL CLEAN	ONE COAT F-150	ONE COAT F-151	2 COATS			
INTERIOR		TO BARE METAL,	MIL-DTL-24441	MIL-DTL-24441	DOD-E-24607,			
VERTICAL		SSPC-SP-11	TYPE-IV,	TYPE-IV,	2-4 MILS			
SURFACES			4-6 MILS	4-6 MILS	OR			
					2 COATS			
			APPLY TOPCOAT		MIL-PRF-24596,			
			WHITE F-150 IS		WATER BASED			
			TILL TACKY. IF		INTERIOR LATEX,			
			150 IS HARD, USE		5 MILS MAX			
			A TACKY COAT		OR			
			PRIOR TO TOPCOAT		2 COATS			
					NAVY FORMULA 25A			
					WATER BASED FIRE			
					RETARDANT			
			SEE NOTES	SEE NOTES	COATING,			
			(1)&(29)	(1)&(29)	5 MILS MAX			
VARIOUS	8	SAME AS LINE 7	ONE COAT F-150					
			MIL-DTL-24441					
			TYPE-IV,					
			4-6 MILS					
			SEE NOTE (1)					

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		A	В	С	D	Е	F	G
ALUMINUM SURFACES		SURFACE			BULKHEADS AND		THERMAL	
TABLE 10	LINE	PREPARATION	PRIMER	LIGHT TRAPS	OVERHEADS	DECKS	INSULATION	MARKING
LOCATION: INTERIOR COMPART- MENTS	1	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11, USING STAINLESS STEEL WIRE	2 COATS F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS	BULKHEADS, OVERHEADS AND DECKS; ONE COAT BLACK NO. 37038 (FED-STD-595),	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, 5 MILS MAX	ONE COAT BLACK NO. 27038 (FED-STD-595), MIL-PRF-24635, 3 MILS (TO DECKS	HULL, VENTILATION AND PIPING INSULATION	FOR COMPARTMENT PIPING VENTILATION
COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER NSTM/CH-631		BRUSHES, STAINLESS STEEL PADS OR ABRASIVE SANDING DISCS ANSI/BHMA B74.18		MIL-PRF-24635, 3 MILS	OR 2 COATS NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING 5 MILS MAX	NOT RECEIVING COVERING)	2 COATS SAME AS BULKHEADS AND OVERHEADS	
PARAGRAPH		SEE NOTE (28)			SEE NOTE (9)		SEE NOTE (41)	SEE NOTE (18)
631-8.23.4	2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	2 COATS DOD-E-24607, 3 MILS TOTAL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	3	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, 2-4 MILS APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT SEE NOTES (1)&(38)	SAME AS LINE ONE	SAME AS LINE 2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

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ALUMINUM		А	В	C	D	E	F	G
SURFACES		CIDEACE			DITENTIFACE AND		THE TOWN I	
TABLE 10 (CONTINUED)	LINE	SURFACE PREPARATION	PRIMER	LIGHT TRAPS	BULKHEADS AND OVERHEADS	DECKS	THERMAL INSULATION	MARKING
LOCATION:	4	NEAR WHITE METAL	SAME AS TABLE 4,					
POTABLE		BLAST CLEAN,	LINE ONE THROUGH					
WATER TANKS		SSPC-SP-10 TO ACHIEVE 1.5 TO 2	4, COLUMNS B, C, D AND G					
		MILS SURFACE	D AND G					
		PROFILE ANCHOR						
		PATTERN, USING						
		GARNET OR						
		ALUMINUM OXIDE,						
		MIL-A-21380 OR MIL-A-22262						
		MIL-A-22202						
INTENTION-	5	INTENTIONALLY LEF	T BLANK		L		L	<u> </u>
ALLY LEFT '								<u> </u>
BLANK	6	INTENTIONALLY LEF	T BLANK					
FIRE ZONE	7	SAME AS LINE ONE	ONE COAT F-150,		2 COATS THERMAL			
BULKHEAD			MIL-DTL-24441,		INSULATING			
			2-4 MILS		(INTUMESCENT)			
			APPLY TOPCOAT		PAINT, MIL-PRF-46081,			
			WHILE F-150 IS		5 MILS/COAT			
			STILL TACKY. IF					
			F-150 IS HARD,					
			USE A TACK COAT					
			PRIOR TO TOPCOAT					
			SEE NOTE (1)					
WET SPACES	8	POWER TOOL CLEAN	ONE COAT F-150,			ONE COAT F-151	SAME AS LINE ONE	SAME AS LINE ONE
(WASH		TO BARE METAL,	MIL-DTL-24441			MIL-DTL-24441		
ROOMS,		SSPC-SP-11	TYPE IV,			TYPE-IV,		
WATER CLOSETS,			4-6 MILS			4-6 MILS		
CHODEID'	1		APPLY TOPCOAT			(TO DECKS NOT		
SHOWER						1 '	1	
SHOWER STALLS,			WHILE F-150 IS			RECEIVING		
STALLS, GALLEYS,			STILL TACKY. IF			RECEIVING COVERING)		
STALLS, GALLEYS, SCULLERIES,			STILL TACKY. IF F-150 IS HARD,					
STALLS, GALLEYS, SCULLERIES, AND			STILL TACKY. IF F-150 IS HARD, USE A TACK COAT					
STALLS, GALLEYS, SCULLERIES,			STILL TACKY. IF F-150 IS HARD,					
STALLS, GALLEYS, SCULLERIES, AND STOREROOMS		SEE NOTES	STILL TACKY. IF F-150 IS HARD, USE A TACK COAT					
STALLS, GALLEYS, SCULLERIES, AND STOREROOMS WHERE HEAVY	9	SEE NOTES (28)(29)&(40)	STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT		MIL-PRF-23236	COVERING)		

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ALUMINUM		A	В	С	D	E	F	G
SURFACES		A	ь	C	Б	E	F	g
TABLE 10		SURFACE			BULKHEADS AND		THERMAL	
(CONTINUED)	LINE	PREPARATION	PRIMER	LIGHT TRAPS	OVERHEADS	DECKS	INSULATION	MARKING
LOCATION:	10	POWER TOOL CLEAN	ONE COAT		ONE STRIPE COAT	ONE STRIPE COAT		
WET SPACES	10	TO BARE METAL,	EURONAVY ES301K,		SHERWIN WILLIAMS	EURONAVY ES301S,		
(WASH		SSPC-SP-11	4-6 MILS WFT		DURA-PLATE UHS,	4-6 MILS WFT		
ROOMS,			1 0 HILD WIT		4-6 MILS WFT	AND		
WATER					AND	ONE FINAL COAT		
CLOSETS,					ONE FINAL COAT	EURONAVY ES301S,		
SHOWER					SHERWIN WILLIAMS	4-6 MILS WFT		
STALLS,					DURA-PLATE UHS,			
GALLEYS,					4-6 MILS WFT	TOTAL SYSTEM		
SCULLERIES,						12 MILS MAX		
AND					TOTAL SYSTEM			
STOREROOMS					12 MILS MAX			
WHERE HEAVY								
CONDENSA -								
TION IS								
COMMON)	11	POWER TOOL CLEAN	SAME AS LINE 10		ONE CERTIFIE COME	ABOVE BILGE		TOTAL SYSTEM
MACHINERY SPACES AND	11	TO BARE METAL,	SAME AS LINE 10		ONE STRIPE COAT EURONAVY ES301S,	AREA;		8 MILS MIN
BILGES AND		SSPC-SP-11			4-6 MILS WFT	2 COATS F-124		12 MILS MAX
DIEGEO		OR			AND	DOD-E-24607,		
		FOR HYDROBLASTED			ONE FINAL COAT	2-4 MILS		
		SURFACES USE			EURONAVY ES301S,			
		INTERNATIONAL			4-6 MILS WFT			
		COURTAULDS						
		MARINE PAINT						
		COMPANY						
		HYDROBLASTING						
		STANDARD						
		HB2-1/2L, OR						
		NACE 5/SSPC-SP-						
		12 CONDITION						
		WJ-2L						
	12	POWER TOOL CLEAN	ONE COAT F-150		ABOVE BILGE	BILGE AREA: ONE		TOTAL SYSTEM
		TO BARE METAL,	MIL-DTL-24441		AREA: 2 COATS	COAT F-156		8 MILS MIN
		SSPC-SP-11	TYPE-IV,		F-124,	MIL-DTL-24441		12 MILS MAX
			4-6 MILS		DOD-E-24607,	TYPE-IV,		
			-		2-4 MILS	4-6 MILS		
			SEE NOTES			SEE NOTES		
		SEE NOTE (29)	(1)&(29)			(1)&(29)		

ALUMINUM		А	В	С	D	E	F	G
SURFACES		G177 77 G7			D		THE TAXABLE PROPERTY.	
TABLE 10 (CONTINUED)	LINE	SURFACE PREPARATION	PRIMER	LIGHT TRAPS	BULKHEADS AND OVERHEADS	DECKS	THERMAL INSULATION	MARKING
LOCATION:	13	POWER TOOL CLEAN	SAME AS LINE 6	DIGHT TRAPS	MIL-PRF-23236	SAME AS LINE 12	INSULATION	EACH COAT AND
MACHINERY	13	TO BARE METAL,	DINIE IN LINE O		11111 1111 11111	DIVID TIO LINE IZ		TOTAL SYSTEM:
SPACES AND		SSPC-SP-11						APPLY IN
BILGES								ACCORDANCE WITH
								MANUFACTURER'S
								PUBLISHED DATA SHEETS
								SUFFIS
					SEE NOTE (10)			SEE NOTE (11)
INTAKE VENT	14	NEAR WHITE METAL	ONE COAT CREAM,		ONE STRIPE COAT	ONE STRIPE COAT		
PLENUMS,		BLAST CLEAN,	SIGMA COATINGS		GREEN, SIGMA	GREEN, SIGMA		
BETWEEN SKIN OF		SSPC-SP-10	EDGEGUARD PRIMER PDS NO. 5427,		COATINGS EDGEGUARD	COATINGS EDGEGUARD		
SHIP AND			5-6 MILS		TOPCOAT	TOPCOAT		
MOISTURE					PDS NO. 5428,	PDS NO. 5428,		
SEPARATORS					8-12 MILS	8-12 MILS		
					AND	AND		
					ONE COAT GRAY,	ONE COAT GRAY,		
					SIGMA COATINGS EDGEGUARD	SIGMA COATINGS EDGEGUARD		
					TOPCOAT	TOPCOAT		
					PDS NO. 5428,	PDS NO. 5428,		
					10-12 MILS	10-12 MILS		
		1	SEE NOTE (33)		SEE NOTE (33)	SEE NOTE (33)		
	15	SAME AS LINE 14	ONE COAT GOLD,		ONE STRIPE COAT	ONE STRIPE COAT		
			SHERWIN WILLIAMS		DARK GRAY,	DARK GRAY,		
			PRIMER		SHERWIN WILLIAMS	SHERWIN WILLIAMS		
			B622H220/B62V220 6-8 MILS		NOVA-PLATE TOPCOAT	NOVA-PLATE TOPCOAT		
			O O MILLO		B62A220/B62V220,	B62A220/B62V220,		
					8-12 MILS	8-12 MILS		
					AND	AND		
					ONE COAT	ONE COAT		
					OFF-WHITE,	OFF-WHITE,		
					SHERWIN WILLIAMS NOVA-PLATE UHS	SHERWIN WILLIAMS NOVA-PLATE UHS		
					TOPCOAT,	TOPCOAT,		
					LIGHT GRAY	LIGHT GRAY		
					B62A220/B62V220,	B62A220/B62V220,		
					10-12 MILS	10-12 MILS		
			SEE NOTE (33)		SEE NOTE (33)	SEE NOTE (33)		

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ALUMINUM		А	В	С	D	E	F	G
SURFACES								
TABLE 10		SURFACE			BULKHEADS AND		THERMAL	
(CONTINUED)	LINE	PREPARATION	PRIMER	LIGHT TRAPS	OVERHEADS	DECKS	INSULATION	MARKING
LOCATION:	16	FOR HYDROBLASTED	SAME AS LINE 11		SAME AS LINE 11	SAME AS LINE 11		SAME AS LINE 11
INTAKE VENT		SURFACES USE						
PLENUMS,		INTERNATIONAL						
BETWEEN		COURTAULDS						
SKIN OF		MARINE PAINT						
SHIP AND		COMPANY						
MOISTURE		HYDROBLASTING						
SEPARATORS		STANDARD						
		HB2-1/2L, OR						
		NACE 5/SSPC-SP- 12 CONDITION						
		WJ-2L						
		WJ-ZL						
MIXING	17	NEAR WHITE METAL	ONE COAT		ONE STRIPE COAT	ONE STRIPE COAT		
ROOMS		BLAST CLEAN,	SIGMA COATINGS		SIGMA COATINGS	SIGMA COATINGS		
/UPTAKE		SSPC-SP-10	EDGEGUARD PRIMER		EDGEGUARD	EDGEGUARD		
SPACES WITH			6-8 MILS		TOPCOAT,	TOPCOAT,		
VENTS OR					8-12 MILS	8-12 MILS		
LOUVERS TO					AND	AND		
THE OUTSIDE					ONE COAT	ONE COAT		
ATMOSPHERE					SIGMA COATINGS	SIGMA COATINGS		
(BULKHEADS					EDGEGUARD	EDGEGUARD		
AND DECKS)					TOPCOAT,	TOPCOAT,		
					10-12 MILS	10-12 MILS		
	18		ONE COAT		ONE STRIPE COAT	ONE STRIPE COAT		
			SHERWIN WILLIAMS		SHERWIN WILLIAMS	SHERWIN WILLIAMS		
			PRIMER,		NOVA-PLATE	NOVA-PLATE		
			6-8 MILS		TOPCOAT,	TOPCOAT,		
					8-12 MILS	8-12 MILS		
					AND	AND		
					ONE COAT	ONE COAT		
					SHERWIN WILLIAMS	SHERWIN WILLIAMS		
					NOVA-PLATE	NOVA-PLATE		
					TOPCOAT,	TOPCOAT,		
					10-12 MILS	10-12 MILS		

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		A	В	C	D	E	F	G
WOOD								
SURFACES TABLE 11	LINE	SURFACE PREPARATION	PRIMER			KEEL TO BOTTOM OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	1	BRUSH-OFF BLAST	KEEL TO 6 INCHES			2 COATS F-121A	3 COATS F-129A	ONE COAT
	1		ABOVE UPPER					LT GRAY
UNDERWATER HULL		CLEAN TO REMOVE	BOOTTOP LIMIT			MIL-P-15931, 2-3 MILS/COAT	MIL-P-15931, 2-3 MILS/COAT	NO. 26373
иопп		DETERIORATED	BOOTIOP LIMIT			2-3 MILS/COAT	2-3 MILS/COAT	(FED-STD-595)
		COATINGS	ONE COAT F-150			TO UNDERWATER	MIN DRYING TIME	MIL-PRF-24635,
		OR	MIL-DTL-24441,			HULL,	OF 6 HRS BETWEEN	(LOW SOLAR
		HIGH PRESSURE	2-3 MILS			APPENDAGES,	COATS OF F-129A	ABSORPTION ONLY)
		WASH TO REMOVE				SEA CHESTS AND		TO BOOTTOPPING
		MARINE GROWTH				STRAINER PLATES		AND BELLOW,
		AND LOOSE PAINT				UP TO BOTTOM OF		3-4 MILS
						BOOTTOPPING AREA		
								ONE COAT OCEAN
						MIN DRYING TIME		GRAY NO. 26173
						OF 6 HRS BETWEEN		(FED-STD-595)
						COATS OF F-121A		MIL-PRF-24635,
								(LOW SOLAR
						MIN DRYING TIME		ABSORPTION ONLY)
						OF 24 HRS SHALL BE ALLOWED		ABOVE
						BETWEEN LAST		BOOTTOPPING, 3-4 MILS
						COAT AND		3-4 MILS
						UNDOCKING OF		MIN DRYING TIME
						SHIP		OF 24 HRS SHALL
								BE ALLOWED
						PUTTY SCREW		BETWEEN LAST
						HEADS, WHERE		COAT AND
						COMPOUND IS		UNDOCKING OF
						MISSING, WITH		SHIP
						CAULKING		
						COMPOUND		
						CONFORMING TO		
						TT-C-1796 AFTER		
						FIRST COAT OF		
						F-121A		
		SEE NOTE (20)	SEE NOTE (1)			SEE NOTE (27)		

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		A	В	C	D	E	F	G
WOOD								
SURFACES		SURFACE		DECKS. MASTS	ALL OTHER	ACCOMMODATION		IDENTIFICATION
TABLE 12	LINE	PREPARATION	PRIMER	AND SPARS	SURFACES	LADDER		MARKINGS
LOCATION: EXTERIOR SURFACE ABOVE	1	HAND TOOL CLEAN OR POWER TOOL CLEAN TO REMOVE	ONE COAT F-150 MIL-DTL-24441	ONE COAT DECK GRAY NO. 26008 (FED-STD-595)	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595)	4 COATS NAVSEA APPROVED SPAR VARNISH, 6 MILS MIN		PAINT DESIGNATIONS AND MARKINGS MIL-PRF-24635
ВООТТОР		DETERIORATED COATINGS		MIL-PRF-24635, (LOW SOLAR ABSORPTION ONLY) 3 MILS OR ONE COAT BLACK NO. 37038 (FED-STD-595)	MIL-PRF-24635, (LOW SOLAR ABSORPTION ONLY) 3 MILS			(LOW SOLAR ABSORPTION ONLY) OR INTERNATIONAL INTERLAC ONE, PRODUCT NO. 45587A, HAZE GRAY (LOW SOLAR
				MIL-PRF-24635, 3 MILS				ABSORPTION ANTI- STAIN) OR NILES CHEMICAL PAINT CO. N-6605 (LOW SOLAR ABSORPTION ONLY)
			SEE NOTE (1)					IN LIEU OF WHITE USE LT GRAY NO. 26373 (FED-STD-595); IN PLACE OF BLACK USE OCEAN GRAY NO. 26173 (FED-STD-595)

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		А	В	С	D	E	F	G
WOOD								
SURFACES		SURFACE			BULKHEADS AND			DESIGNATION AND
TABLE 13	LINE	PREPARATION	PRIMER		OVERHEADS			MARKINGS
LOCATION:	1	HAND TOOL CLEAN	2 COATS F-84		2 COATS			FOR COMPARTMENT
INTERIOR		OR	TT-P-645		MIL-PRF-24596,			PIPING AND
SURFACE		POWER TOOL CLEAN	ALKYD ZINC		WATER-BASED			VENTILATION
		TO BARE WOOD OR	MOLYBDATE,		INTERIOR LATEX,			
		TIGHTLY ADHERING	3 MILS		5 MILS MAX			
		INTACT PAINT			OR			
					2 COATS OF NAVY			
					FORMULA 25A,			
					WATER-BASED			
					FIRE RETARDANT COATING			
					5 MILS MAX			
					5 MILS MAX			
					SEE NOTES			
					(9)&(17)			SEE NOTE (18)
	2	SAME AS LINE ONE	ONE COAT F-150		2 COATS			SAME AS LINE ONE
			MIL-DTL-24441		DOD-E-24607,			
					3 MILS			
					SEE NOTES			
			SEE NOTE (1)		(17)&(38)			

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		A	В	С	D	E	F	G
VARIOUS								
LOCATIONS TABLE 14	LINE	SURFACE PREPARATION	PRIMER				TOTAL SYSTEM	DESIGNATION AND MARKINGS
LOCATION:	1	HAND TOOL CLEAN,	ONE COAT F-84	ONE COAT F-84	2 COATS OF BILGE		TOTAL SISTEM	ONE COAT
UNHEATED	_	SSPC-SP-2	TT-P-645,	TT-P-645,	FINISH COAT TO			MIL-PRF-24635,
PIPING,		OR	ALKYD ZINC	ALKYD ZINC	MATCH			1.5 MILS,
FITTINGS,		POWER TOOL	MOLYBDATE,	MOLYBDATE,	SURROUNDING			FOR COLOR CODED
VALVES		CLEAN, SSPC-SP-3	1.5 MILS	1.5 MILS	SURFACES,			SYSTEMS
		,,,,,,			INCLUDING LAGGED			
	2	SEE NOTE (40)	ONE GOVE E 150		SURFACES			
	2	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441,		SAME AS LINE ONE			
			3 MILS					
			3 11223					
			SEE NOTE (1)					
UNHEATED	3	SAME AS LINE ONE	SAME AS LINE ONE		ONE COAT F-111			
FERROUS					MIL-E-15090,			
MACHINERY EXTERNAL					1.5 MILS OR			
SURFACES					ONE COAT			
Boitt Head					BULKHEAD GRAY			
					NO. 26307			
					(FED-STD-595),			
					MIL-PRF-24635,			
1/3 GUTTITEDU	4	G21/E 2G 177E 07E	G21/E 2G 177E 07E	0 003770 7 111	3 MILS			
MACHINERY, GAGEBOARDS	4	SAME AS LINE ONE	SAME AS LINE ONE	2 COATS F-111 MIL-E-15090,				
GAGEBOARDS				3 MILS TOTAL				
				OR				
				ONE COAT				
				BULKHEAD GRAY				
				NO. 26307				
SEE NOTE				(FED-STD-595), MIL-PRF-24635,				
(39)				MIL-PRF-24035, 3 MILS				
FERROUS	5	SAME AS LINE ONE	SAME AS LINE ONE	ONE FINISH COAT				
SHEET METAL				TO MATCH				
SURFACES				SURROUNDING				
(UNHEATED,				COMPARTMENT OR				
EXTERNAL				AREA				
AND INTERNAL)								
TIMI EKINAL)	<u> </u>	l	l	l	<u> </u>			

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VARIOUS		А	В	C	D	E	F	G
LOCATIONS								
TABLE 14	T TATE	SURFACE	DD TMED				momat gygmny	DESIGNATION AND
(CONTINUED)	LINE	PREPARATION	PRIMER			l	TOTAL SYSTEM	MARKINGS
LOCATION:	6	POWER TOOL CLEAN	SAME AS LINE 2	ONE COAT F-151	F-34, DOD-15144,	VERMICULITE,	F-124	
UNINSULATED		TO BARE METAL,		MIL-DTL-24441,	5 MILS AS BINDER	ASTM-C516 TYPE-I	DOD-E-24607,	
SIDE OF		SSPC-SP-11		3 MILS		GRADE-4, SPRAYED	2-4 MILS	
BULKHEADS								
OR SHELL ADJACENT TO								
SEA OR AIR					SEE NOTE (36)			
CONDITIONED	7	SAME AS LINE 6	ONE COAT	ONE COAT				
BOUNDARY			HEMPADUR	HEMPADUR				
			4515-5063AC,	617US,				
			5 MILS	50-60 MILS				
BOILERS AND	8	SAME AS LINE ONE	2 COATS		SAME AS LINE ONE			
ECONOMIZERS			AMECOAT 892HS,					
(EXCEPT			HEAT RESISTANT					
PARTS USED FOR HEAT			PAINT, 3 MILS TOTAL					
TRANSFER),			3 MILS IOIAL					
MACHINERY								
CASINGS,								
FERROUS								
SHEET METAL								
AND PIPING								
SURFACES								
EXCEEDING								
125 DEGREES								
FAHRENHEIT			SEE NOTE (39)					
ELECTRICAL	9	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE 4				
EQUIPMENT,								
ELECTRONIC								
EQUIPMENT								
AND CABLES								

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VARIOUS		А	В	С	D	E	F	G
LOCATIONS TABLE 14		SURFACE						DESIGNATION AND
(CONTINUED)	LINE	PREPARATION	PRIMER				TOTAL SYSTEM	MARKINGS
CABLES, INTERIOR (OTHER THAN PVC, LOW SMOKE)	10	SAME AS LINE ONE	2 COATS F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS TOTAL	2 COATS NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING OR 2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX OR ONE COAT OCEAN CHEMICAL CO. OCEAN 634 AND 2 COATS OCEAN 9788	2 COATS DOD-E-24607 CHLORINATED ALKYD (FOR COLOR MATCH IF REQUIRED)			
CABLES, EXTERIOR (OTHER THAN PVC, LOW SMOKE)	11	SAME AS LINE ONE	SAME AS LINE ONE	ONE COAT MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) TO MATCH SURROUNDING AREA				
ELECTRICAL/ ELECTRONIC CABLES (PVC AND LOW SMOKE)	12	SAME AS LINE ONE	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX OR 2 COATS OF NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING OR ONE COAT OCEAN CHEMICAL CO. OCEAN 634 AND 2 COATS OCEAN 9788		SAME AS LINE 10			

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VARIOUS		A	В	С	D	E	F	G
LOCATIONS								
TABLE 14		SURFACE	DD T1/TD					DESIGNATION AND
(CONTINUED)	LINE	PREPARATION	PRIMER		l		TOTAL SYSTEM	MARKINGS
ANCHOR (SURFACE	13	NEAR WHITE METAL	ONE COAT F-150 MIL-STD-24441	ONE COAT F-150 MIL-STD-24441	ONE COAT HAZE GRAY NO. 26270		TOTAL SYSTEM 7 MILS MIN	
SHIP BOW		BLAST CLEAN, SSPC-SP-10	TYPE-IV,	TYPE-IV,	(FED-STD-595)		7 MILS MIN 11 MILS MAX	
ANCHORS)		SSPC-SP-10	4-6 MILS	4-6 MILS	MIL-PRF-24635		II MILS MAX	
ANCHORS /			OR	OR	(LOW SOLAR			
FOR ANCHORS			ONE COAT	ONE COAT	ABSORPTION ONLY)			
BELOW LOWER			MIL-PRF-23236,	MIL-PRF-23236,	3 MILS			
BOOTTOP			3-5 MILS	3-5 MILS				
LIMIT								
SEE NOTE		SEE NOTES	SEE NOTES	SEE NOTES				
(13)	1.4	(14)&(29)	(1)&(29)	(1)&(29)	ONE GOVE		TOTAL GUARAN	AMEDON DOW GOO
ANCHOR CHAIN	14	COMMERCIAL BLAST	ONE COAT AMERON PSX 700	ONE COAT AMERON PSX 700,	ONE COAT AMERON PSX 700,		TOTAL SYSTEM 10 MILS MIN	AMERON PSX 700
CHAIN		SSPC-SP-6	TO HOLD BLAST,	4-5 MILS	4-5 MILS		12 MILS MAX	
		DDFC DF 0	1-2 MILS	OR	OR		12 MILD MAX	
			OR	ONE COAT F-150	2 COATS BLACK			
			ONE COAT F-150	MIL-DTL-24441,	NO. 27038			
			MIL-DTL-24441,	2-4 MILS	(FED-STD-595)			
			2-4 MILS		MIL-PRF-24635			
					3 MILS/COAT,			
					OR			
					2 COATS BLACK			
					TT-V-51, 3 MILS/COAT			
		SEE NOTES	SEE NOTES	SEE NOTES	3 MILS/COAT			
		(14)&(16)	(1)&(15)	(1)&(15)	SEE NOTE (15)			SEE NOTE (15)
GALVANIZED	15	BRUSH-OFF BLAST	ONE COAT F-150	, , , , ,	ONE COAT F-152,		TOTAL SYSTEM	
SURFACES		CLEAN,	MIL-DTL-24441		F-153 OR F-156		8 MILS MIN	
		SSPC-SP-7	TYPE-IV,		MIL-DTL-24441		12 MILS MAX	
		OR	4-6 MILS		TYPE-IV,			
		POWER TOOL CLEAN			4-6 MILS			
		SSPC-SP-3						
		CEE MOTEC	SEE NOTES		CEE NOTEC			
		SEE NOTES (14)&(29)	(1)&(29)		SEE NOTES (1)&(29)			
EXHAUST	16	NEAR WHITE METAL	(1,4(2))	ONE COAT HAZE	(2/4/2//		TOTAL SYSTEM	
PIPE	-	BLAST CLEAN		GRAY NO. 26270			NOT TO EXCEED	
EXTERIOR		SSPC-SP-10		(FED-STD-595)			5 MILS	
				AMERCOAT 892HS,				
				2-3 MILS				

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VARIOUS		A	В	С	D	E	F	G
LOCATIONS								
TABLE 14		SURFACE						DESIGNATION AND
(CONTINUED)	LINE	PREPARATION	PRIMER				TOTAL SYSTEM	MARKINGS
LOCATION:	17	STRIP PAINT,			ONE COAT			
PASSIVE		USING			HAZE GRAY			
COUNTER-		"PEEL-AWAY-7"			MIL-E-24763			
MEASURES					(LOW SOLAR			
SYSTEM		SEE RIM 05T1-99,			ABSORPTION			
(PCMS)		REPAIR/INSTALLA-			ONLY),			
(REPAIRS)		TION METHODS			3-5 MILS WFT			
					(TOPCOAT OF			
					PCMS)			
PCMS (NEW	18	NEAR WHITE METAL	ONE COAT F-150	ONE COAT F-151	SAME AS LINE 17			
INSTALLA-		BLAST CLEAN,	MIL-DTL-24441	MIL-DTL-24441				
TION)		SSPC-SP-10	TYPE-IV,	TYPE-IV,				
		OR	4-6 MILS	4-6 MILS				
		POWER TOOL CLEAN						
		TO BARE METAL,	SEE NOTES	SEE NOTES				
	1.0	SSPC-SP-11	(1)&(29)	(1)&(29)				
INTERIOR	19	SAME AS LINE 18	ONE COAT AMERON	ONE COAT AMERON				
DECK			AMERCOAT 238,	AMERCOAT 238,				
PASSAGEWAYS			10 MILS	10 MILS				
NOT								
RECEIVING DECK	20	SAME AS LINE 18	SIGMA COATINGS	SIGMA COATINGS				
COVERINGS	20	DAME AD HINE 10	SIGMAGUARD CFS	SIGMAGUARD CFS				
CONTRINGS			GLASS FLAKE 5487	GLASS FLAKE 5487				
SEE NOTE			10 MILS	10 MILS				
(12)								
(14)	l	l						

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		А	В	С	D	E	F	G
STEEL								
SURFACES		SURFACE						
TABLE 15	LINE	PREPARATION	PRIMER					TOTAL SYSTEM
LOCATION:	1	POWER TOOL CLEAN	ONE COAT F-150		ONE COAT F-156			TOTAL SYSTEM
STRUCTURE		TO BARE METAL	MIL-DTL-24441		MIL-DTL-24441			8 MILS MIN
AND		SSPC-SP-11	TYPE-IV,		TYPE-IV,			12 MILS MAX
FITTINGS		OR	4-6 MILS		4-6 MILS			
BELOW DECK		FOR HYDROBLASTED						
PLATES IN		SURFACES USE						
MACHINERY		INTERNATIONAL						
SPACES		COURTAULDS						
(BILGES,		MARINE PAINT						
BILGE WELLS		COMPANY						
AND SUMPS)		HYDROBLASTING						
		STANDARD						
FOR RECOAT		HB2-1/2L, OR						
OR TOUCH-UP		NACE 5/SSPC-SP-						
OF EXISTING		12 CONDITION						
COATING		WJ-2L						
SYSTEMS								
ONLY		SEE NOTES	SEE NOTES		SEE NOTES			
		(29)&(40)	(1)&(29)		(1)&(29)			
FOR	2	SAME AS LINE ONE	MIL-PRF-23236					EACH COAT AND
COMPLETE								TOTAL SYSTEM:
BILGE								APPLY IN
COATING,								ACCORDANCE WITH
SEE TABLE 7								MANUFACTURER'S
LINES 9, 10								PUBLISHED DATA
OR 11								SHEETS
			SEE NOTE (10)					SEE NOTE (11)
			SEE NOIF (IO)					SEE NOIF (II)

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GRP		А	В	С	D	E	F	G
FIBERGLASS								
SURFACES	T TATE	SURFACE	DDTMED			KEEL TO BOTTOM	DOORHOD	DDAEM MADKO
TABLE 16	LINE	PREPARATION	PRIMER	ONTE COME E 151		OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) SERVICE LIFE FOR 2 YEARS OR LESS	1	HIGH PRESSURE WASH TO REMOVE MARINE GROWTH AND LOOSE PAINTS OR TOUCH-UP OR REMOVE PAINT SYSTEM TO SOUND PRIMER BY LIGHT ABRASIVE BLAST CLEAN WITH BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE 2 AND SPOT CLEAN, NSTM/CH-631 PARAGRAPH 631-5.2.6	ONE MIST COAT F-150 MIL-DTL-24441, ONE MIL WFT	ONE COAT F-151 MIL-DTL-24441, 3-4 MILS		2 COATS F-121A MIL-P-15931, 2 MILS/COAT AND 4 MILS MIN TOTAL MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP	2 COATS F-129A MIL-P-15931, 2 MILS/COAT AND 4 MILS MIN TOTAL MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP	ONE COAT LT GRAY NO. 26373 (FED-STD-595) MIL-PRF-24635, TO BOOTTOP AND BELOW ONE COAT OCEAN GRAY NO. 26173 (FED-STD-595) MIL-PRF-24635, TO ABOVE BOOTTOP
		CEE NOTE (21)	CEE NOTE (1)	CEE NOTE (1)		CEE NOTE (27)	CEE NOTE (27)	
UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 5 YEARS SERVICE LIFE	2	SEE NOTE (21) SAME AS LINE ONE	SEE NOTE (1) ONE MIST COAT INTERNATIONAL FPL 274/FPA 327 OR ONE MIST COAT KHA303/KHA062	SEE NOTE (1) ONE COAT INTERNATIONAL FPJ 034/FPA 327, 5 MILS OR ONE COAT KHA302/KHA062, 5 MILS SEE NOTE (4)		SEE NOTE (27) ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED, 5 MILS/COAT SEE NOTES (2)&(6)	SEE NOTE (27) 2 COATS BRA 642 BLACK, 5 MILS/COAT	SAME AS LINE ONE
	3	SAME AS LINE ONE	ONE MIST COAT AMERON AMERCOAT 235	ONE COAT AMERON AMERCOAT 235, 5 MILS		ONE COAT ABC 3 BLACK, ONE COAT ABC 3 RED, 5 MILS/COAT SEE NOTES (2)&(6)	2 COATS ABC 3 BLACK, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

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PIBROLIASS SURFACES SURFACE PRIMER		1		ı	T	T	ı		1
SURPEACES TABLE 16 LINE SURPACE PRIMER New Coart HERMADUR TABLE 16 New Coart HERMADUR HERMADU	GRP		A	В	C	D	E	F	G
TABLE 16 (CONTINUES) LINE SURPACE PRIMEN									
LINE PREPARATION LINE PREPARATION SAME AS LINE ONE ONE COAT ONE COAT CATTONIC CAT			CHERAGE				KEEL EO DOEEOM		
DOCATION:	1	TTNT		DD T MED				DOOTTOD	DDAET MADEC
HEMPADUR HEMPADUR HEMPADUR SITE SOCIAL RED SECURITOR S									
HULL (KREL TO OF BOOTTOP)		4	SAME AS LINE ONE						SAME AS LINE ONE
SMILS SMIL									
TOP OF BOOTTOP SERVICE SEE NOTE (5) SEE NOTE (6) SEE NOT	-			,					
S YEARS SEENOTE SEENOTE (5) SEENOTE (6) SEENOTE	,			2 MITTS	2 MITP2			5 MILS/COAI	
STATUTE							· · · · · · · · · · · · · · · · · · ·		
SEE NOTE SEE NOTE (5) SEE NOTE (5) SEE NOTE (5) SEE NOTE (6)	BOOTIOI)						5 MILBY COAT		
SEE NOTE SEE NOTE (5) SEE NOTE (5) SEE NOTE (5) SEE NOTE (6)	5 YEARS								
LIFE	-						SEE NOTES		
NOMERNATER HULL (KEEL TO TOP OF BOOTTOP) SAME AS LINE ONE SAME AS LINE 2 SAME AS LINE 3 SEE NOTES SEE NOTE (6)				SEE NOTE (5)	SEE NOTE (5)			SEE NOTE (6)	
CKEEL TO TOP OF BOOTTOP)		5	SAME AS LINE ONE				. , , ,	` '	SAME AS LINE ONE
RED, 6 MILS/COAT SEE NOTES	HULL						BLACK,	BLACK,	
## DOTTOP) 7 YEARS SERVICE LIFE 6 SAME AS LINE ONE SAME AS LINE 3 SEE NOTES (2)&(6) 7 SAME AS LINE ONE SAME AS LINE 4 SEE NOTES (2)&(6) 10 ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-199AF BLACK, ONE COAT OLYMPIC 7660-1910AF RED, 6 MILS/COAT **SEE NOTES** (2)&(6) 10 TO 12 YEARS **SEEN OTES** SEE NOTES** SEE NOTES** SEE NOTES** SEE NOTES** (2)&(6) 2 COATS OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-1999AF BLACK, 6 MILS/COAT **SEEN OTES** (2)&(6) 2 COATS ABC 3 BLACK, 6 MILS/COAT **SEEN OTES** (2)&(6) 2 COATS OLYMPIC 7660-1999AF BLACK, 6 MILS/COAT **SEEN OTES** (2)&(6) 2 COATS OLYMPIC 7660-1999AF BLACK, 6 MILS/COAT **SEEN OTES** (2)&(6) 2 COATS OLYMPIC 7660-1999AF BLACK, 6 MILS/COAT **SEEN OTES** (2)&(6) 2 COATS OLYMPIC 7660-1999AF BLACK, 6 MILS/COAT **SEEN OTES** (2)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (2)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (3)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (3)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (3)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (2)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (3)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (4)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (5)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (5)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (5)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (5)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (5)&(6) 2 COATS BRA 642 BLACK, 6 MILS/COAT **SEEN OTES** (6) MILS/COAT **SE	(KEEL TO						ONE COAT BRA 640	6 MILS/COAT	
Y YEARS SERVICE LIFE 6 SAME AS LINE ONE SAME AS LINE 3 SAME AS LINE 0NE SEE NOTES (2)&(6) SEE NOTE (6)	TOP OF						RED,		
SERVICE	BOOTTOP)						6 MILS/COAT		
SERVICE									
Comparison									
BLACK, ONE COAT ABC 3 RED, 6 MILS/COAT				_	_				
ONE COAT ABC 3 RED, 6 MILS/COAT SEE NOTES (2)&(6) 7 SAME AS LINE ONE SAME AS LINE 4 SAME AS LINE 4 ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-5111AF RED, 6 MILS/COAT UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SEENOTES	LT F.E.	6	SAME AS LINE ONE	SAME AS LINE 3	SAME AS LINE 3				SAME AS LINE ONE
RED, 6 MILS/COAT SEE NOTE SEE NOTE (2)&(6) SEE NOTE (2)&(6) SEE NOTE (6) SEE NOTE (760-1999AF BLACK, ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-5111AF RED, 6 MILS/COAT SEE NOTES SEE NOTES (2)&(6)							'		
6 MILS/COAT SEE NOTES SEE NOTE (6)								6 MILS/COAT	
SEE NOTES							· '		
C2)&(6) SEE NOTE (6)							0 MILS/COAT		
C2)&(6) SEE NOTE (6)							SEE NOTES		
TO SAME AS LINE ONE SAME AS LINE 4 SAME AS LINE 0NE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-5111AF RED, 6 MILS/COAT SEE NOTES (2)&(6) (2								SEE NOTE (6)	
BLACK, ONE COAT OLYMPIC 7660-5111AF RED, 6 MILS/COAT UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE BLACK, ONE COAT DLYMPIC 7660-5111AF RED, 6 MILS/COAT SEE NOTES (2)&(6) ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES (2) & (6) ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES SEE NOTES SEE NOTES SEE NOTES SEE NOTES		7	SAME AS LINE ONE	SAME AS LINE 4	SAME AS LINE 4		` ' ' '		SAME AS LINE ONE
ONE COAT OLYMPIC 7660-5111AF RED, 6 MILS/COAT SEE NOTES (2)&(6) UNDERWATER 8 SAME AS LINE ONE SAME AS LINE 2 SAME AS LINE 2 HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE 6 MILS/COAT ONE COAT OLYMPIC 7660-5111AF RED, 6 MILS/COAT SEE NOTES (2)&(6) ONE COAT BRA 642 SAME AS LINE ONE BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES SEE NOTES SEE NOTES							7660-1999AF	7660-1999AF	
Top of Boottop							BLACK,	BLACK,	
Company Comp							ONE COAT OLYMPIC	6 MILS/COAT	
UNDERWATER 8 SAME AS LINE ONE SAME AS LINE 2 SAME AS LINE 2 ONE COAT BRA 642 (2)&(6) UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE SEE NOTES (2)&(6) ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES SEE NOTES							7660-5111AF RED,		
UNDERWATER 8 SAME AS LINE ONE SAME AS LINE 2 SAME AS LINE ONE BLACK, ONE COAT BRA 642 SAME AS LINE ONE RED, 6 MILS/COAT 10 TO 12 YEARS SERVICE SEE NOTES SEE NOTES							6 MILS/COAT		
UNDERWATER 8 SAME AS LINE ONE SAME AS LINE 2 SAME AS LINE ONE BLACK, ONE COAT BRA 642 SAME AS LINE ONE RED, 6 MILS/COAT 10 TO 12 YEARS SERVICE SEE NOTES SEE NOTES									
UNDERWATER 8 SAME AS LINE ONE SAME AS LINE 2 SAME AS LINE 2 SAME AS LINE 2 BLACK, (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE 8 SAME AS LINE ONE SAME AS LINE 2 SAME AS LINE 2 SAME AS LINE 2 SAME AS LINE 2 SAME AS LINE ONE ONE COAT BRA 642 COATS BRA 642 BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES SAME AS LINE ONE SAME AS LINE ONE SAME AS LINE 2 SAME AS LINE ONE SAME AS LINE ON SAME AS LINE ONE SAME AS LINE ON SAME AS LINE O									
HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES BLACK, 6 MILS/COAT SELOCH SEE NOTES							` ' ' '		
(KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES		8	SAME AS LINE ONE	SAME AS LINE 2	SAME AS LINE 2				SAME AS LINE ONE
TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE RED, 6 MILS/COAT SEE NOTES	-						'	' '	
BOOTTOP) 10 TO 12 YEARS SERVICE SEE NOTES	,							6 MILS/COAT	
10 TO 12 YEARS SERVICE SEE NOTES							· · · · · · · · · · · · · · · · · · ·		
YEARS SERVICE SEE NOTES	DO0110F)						O MILLO/COAI		
YEARS SERVICE SEE NOTES	10 TO 12								
SERVICE SEE NOTES									
							SEE NOTES		
	LIFE						(2)&(6)	SEE NOTE (6)	

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GRP		А	В	С	D	E	F	G
FIBERGLASS								
SURFACES								
TABLE 16		SURFACE				KEEL TO BOTTOM		
(CONTINUED)	LINE	PREPARATION	PRIMER			OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE	9	SAME AS LINE ONE	SAME AS LINE 3	SAME AS LINE 3		ONE COAT ABC 3 RED, ONE COAT ABC 3 BLACK, ONE COAT ABC 3 RED, 5 MILS/COAT SEE NOTES (2)&(6)	3 COATS ABC 3 BLACK, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
LIFE	10	SAME AS LINE ONE	SAME AS LINE 4	SAME AS LINE 4		ONE COAT OLYMPIC 7660-5111AF RED, ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-5111AF RED, 5 MILS/COAT SEE NOTES (2)&(6)	3 COATS OLYMPIC 7660-1999AF BLACK, 6 MILS/COAT	SAME AS LINE ONE
UNDERWATER HULL METAL APPENDAGES (STRUTS, RUDDERS, AND OTHER CAVITATION PRONE AREAS) 2 YEARS OR LESS SERVICE LIFE	11	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441, 3-4 MILS	2 COATS INTERNATIONAL PGA 750/751, 25 MILS/COAT FOR 50 MILS TOTAL		ANTIFOULING PAINT SAME AS SURROUNDING HULL		

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GRP		А	В	С	D	E	F	G
FIBERGLASS								
SURFACES								
TABLE 16		SURFACE				KEEL TO BOTTOM		
(CONTINUED)	LINE	PREPARATION	PRIMER			OF BOOTTOP	BOOTTOP	DRAFT MARKS
LOCATION:	12	SAME AS LINE ONE	ONE COAT	SAME AS LINE 11		ANTIFOULING		
UNDERWATER			INTERNATIONAL			PAINT SAME AS		
HULL METAL			FPL 274/FPA 327,			SURROUNDING HULL		
APPENDAGES			3-4 MILS					
(STRUTS,								
RUDDERS,								
AND OTHER								
CAVITATION								
PRONE								
AREAS)								
F mo 10			CEE NOTE (4)			CHE NOME (6)	CEE NOTE (6)	
5 TO 10	1.2	CAME AC LINE ONE	SEE NOTE (4)	CAME AC LINE 11		SEE NOTE (6)	SEE NOTE (6)	
YEARS	13	SAME AS LINE ONE	ONE COAT AMERON	SAME AS LINE 11		SAME AS LINE 12	SAME AS LINE 12	
SERVICE			BAR-RUST 235,					
LIFE			3-4 MILS					
			SEE NOTE (3)					
	1.4	CAME AC LINE ONE		CAME AC LINE 11		G2 2G 1 TH MEE 10	CAME AC LINE 10	
	14	SAME AS LINE ONE	ONE COAT	SAME AS LINE 11		SA AS LIN MEE 12	SAME AS LINE 12	
			HEMPADUR					
			4515-5063AC RED,					
	l		3-4 MILS					

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GRP		А	В	С	D	E	F	G
FIBERGLASS			<u> </u>	C	ے	HORIZONTAL	_	G
SURFACES		SURFACE				SURFACES DECKS	MASTS AND STACKS	VERTICAL
TABLE 17	LINE	PREPARATION	PRIMER			AND FITTINGS	EXPOSED TO GASES	SURFACES
LOCATION:	1	HIGH PRESSURE	ONE COAT F-150	ONE COAT F-151		ONE COAT DECK	ONE COAT HAZE	ONE COAT
EXTERIOR		WASH TO REMOVE	MIL-DTL-24441,	MIL-DTL-24441,		GRAY NO. 26008	GRAY NO. 26270	HAZE GRAY
SURFACES		MARINE GROWTH	2-4 MILS	2-4 MILS		(FED-STD-595)	(FED-STD-595)	NO. 26270
ABOVE		AND LOOSE PAINTS				MIL-PRF-24635	MIL-PRF-244635	(FED-STD-595),
BOOTTOP		OR				(LOW SOLAR	(LOW SOLAR	MIL-PRF-24635
		TOUCH-UP OR				ABSORPTION ONLY)	ABSORPTION ONLY)	(LOW SOLAR
		REMOVE PAINT				3 MILS	3 MILS	ABSORPTION
		SYSTEM TO SOUND					OR	ONLY), 3 MILS
		PRIMER BY LIGHT					MIL-E-24763	OR
		ABRASIVE BLAST					TYPE-II CLASS-2,	MIL-E-24763,
		CLEAN WITH BLACK					3 MILS	TYPE-II, CLASS-2
		WALNUT SHELLS						3 MILS, PAINT
		CONFORMING TO						DESIGNATIONS AND
		A-A-1722 TYPE 2 AND						MARKINGS MIL-PRF-24635
		SPOT CLEAN,						(LOW SOLAR
		NSTM/CH-631						ABSORPTION ONLY)
		PARAGRAPH						TEBORETTON GNET
		631-5.2.6						IN LIEU OF WHITE
								USE LT GRAY
								NO. 26373
								(FED-STD-595);
								IN PLACE OF
								BLACK USE OCEAN
SEE NOTE			,,	,,				GRAY NO. 26173
(2)	0	SEE NOTE (21)	SEE NOTE (1)	SEE NOTE (1)		077 0075		(FED-STD-595)
EXTERIOR	2	POWER TOOL CLEAN	PROPRIETARY			ONE COAT		
WALK AREAS AND ALL		TO CLEAN FIBERGLASS (DISC	NON-SKID PRIMER LISTED ON THE			MIL-PRF-24667 TYPE-I, II OR		
EXTERIOR		SANDER, ETC.)	OPL FOR			III COMP-G		
DECK AREAS		OR	MIL-PRF-24667			OR		
		POWER TOO CLEAN	1.12 111 21007			MIL-PRF-24667		
		TO POLYURETHANE	'			TYPE-IV		
		OVERLAY				1		
		SUBSTRATE (DISC				1		
		SANDER, ETC.)						
		OR						
		HYDROBLAST TO						
		CLEAN FIBERGLASS						
		ODD NOBE (OF)	GDD NOBB (7)			CDD NOBE (10)		
		SEE NOTE (25)	SEE NOTE (7)			SEE NOTE (19)		

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FIBROUS		A	В	C	D	E	F	G
GLASS								
BOARDS								
(INTERIOR)		SURFACE		BULKHEADS AND				
TABLE 18	LINE	PREPARATION	PRIMER	OVERHEADS				
LOCATION:	1	SOAP AND WATER	ONE COAT F-84	2 COATS				
INTERIOR		CLEAN, AND HAND	TT-P-645,	MIL-PRF-24596,				
FIBROUS		SAND AS	ALKYD ZINC	WATER-BASED				
GLASS		NECESSARY	MOLYBDATE,	INTERIOR LATEX				
BOARDS			1.5 MILS	OR				
				2 COATS NAVY				
				FORMULA 25A,				
				WATER-BASED				
				FIRE RETARDANT				
				COATING				
	2	SAME AS LINE ONE	ONE COAT F-150	2 FINISH COATS				
			MIL-DTL-24441	F-124, F-125 OR				
				F-126				
				DOD-E-24607				
				(COLOR TO BE				
			SEE NOTE (1)	DESIGNATED)				

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